

SPORTARREDO[®] S.p.A.
30020 GRUARO-ITALY - VIA DELL'INDUSTRIA 7
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3stars
Profi

INSTALLATION, USE AND MAINTENANCE MANUAL

USA

INDEX

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1 - GENERAL INFORMATION

1.1 LABELS

This device is intended to be used by only one person at a time. Sit on the chair and lower the canopy down to the stopping point. CAUTION: EXPOSURE POSITIONS OTHER THAN SPECIFIED MAY RESULT IN OVEREXPOSURE AND ARE NOT RECOMMENDED. Tanning normally begins after one to two exposures and maximizes after one to four (1-4) weeks of exposure following the recommended schedule for your skin type. Wear protective eyewear. Eyewear: SUN GLOBES		Read the instruction booklet before using tanning system. <table><tr><th colspan="5">RECOMMENDED EXPOSURE SCHEDULE</th></tr><tr><td colspan="5">First three sessions should be at 48 hour intervals. Followed by the gradual increasing of exposure times until maximum tanning has occurred (in approximately 4 weeks). MAXIMUM EXPOSURE is 15 minutes.</td></tr><tr><th>Skin Type</th><th>Week 1 1st - 3rd Session</th><th>Week 2 4th - 6th Session</th><th>Week 3 7th-9th Session</th><th>Subsequent Weekly Session</th></tr><tr><td>II</td><td>3 min</td><td>5 min</td><td>8 min</td><td>12 min</td></tr><tr><td>III</td><td>3 min</td><td>6 min</td><td>10 min</td><td>13 min</td></tr><tr><td>IV</td><td>3 min</td><td>7 min</td><td>10 min</td><td>13 min</td></tr><tr><td>V</td><td>3 min</td><td>8 min</td><td>11 min</td><td>15 min</td></tr></table>		RECOMMENDED EXPOSURE SCHEDULE					First three sessions should be at 48 hour intervals. Followed by the gradual increasing of exposure times until maximum tanning has occurred (in approximately 4 weeks). MAXIMUM EXPOSURE is 15 minutes.					Skin Type	Week 1 1st - 3rd Session	Week 2 4th - 6th Session	Week 3 7th-9th Session	Subsequent Weekly Session	II	3 min	5 min	8 min	12 min	III	3 min	6 min	10 min	13 min	IV	3 min	7 min	10 min	13 min	V	3 min	8 min	11 min	15 min	This product is in conformity with performance standards for sunlamp products under No. 21 CFR 1040.20. This appliance is intended to be used with the following lamps: Kalfasun 630F 600W Kalfasun 1530F 1500W For replacement lamps, eyewear or parts, contact: SPORTARREDO USA INC. 2224 Commerce Drive ARLINGTON, TX 76011 (1-866-899-4826)	
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1 - GENERAL INFORMATION

1.2 INTRODUCTION

IMPORTANT

BEFORE OPERATING THE MACHINE, READ THE INSTRUCTIONS CONTAINED IN THIS OPERATING MANUAL CAREFULLY AND COMPLETELY.

KEEP THIS MANUAL AND ALL ENCLOSURES IN AN ACCESSIBLE PLACE WHERE IT CAN BE REFERRED TO BY ALL USERS (OPERATORS, MAINTENANCE PERSONNEL AND THOSE CLIENTS WHO ASK FOR DETAILED INFORMATION).

This Technical Manual is designed for use by installers and operators, and should be read carefully and completely before the machine is operated. The manual should always be available for reference and should be kept in a safe place so that it stays in good condition for future reference. For further copies or updates of the manual, contact the manufacturer at the address on the front page.

Sportarredo SpA reserves the right to make changes to the product and to the manual without being obliged to update the preceding manuals.

This manual contains all the instructions and information necessary to operate the machine:

- Correct installation of the machine.
- Description of the functions of the machine.
- Circuit diagrams.

The installers and the operators can use this manual to understand the characteristics of the machine and to learn the correct operating procedure.

1.3 GENERAL TANNING INSTRUCTIONS

DANGER! Ultraviolet Radiation.

Follow instructions. Avoid overexposure. As with natural sunlight, overexposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature ageing of the skin and skin cancer.

WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES.

Medications or Cosmetics may increase your sensitivity to the ultraviolet radiation. Consult physician before using sunbed if you are using medications or have a history of skin problems or believe yourself especially sensitive to sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product. This device is intended to be used by only one person at a time. Sit on the chair and lower the canopy down to the stopping point.

CAUTION: EXPOSURE POSITIONS OTHER THAN SPECIFIED MAY RESULT IN OVEREXPOSURE AND ARE NOT RECOMMENDED.

Tanning normally begins after one to two exposures and maximizes after one to four (1-4) weeks of exposure following the recommended schedule for your skin type.

Skin type II.

This is the individual that usually burns easily and severely. Tans minimally or lightly and peels.

Skin type III.

Often referred to as "average" complexion burns moderately and tans about average.

Skin type IV.

This individual burns minimally, tans easily and above average.

Skin type V.

This individual's system rarely burns, tans easily and substantially.

Session times are calculated for a supply voltage of 208V.

This product is in conformity with performance standards for sunlamp products under No.21 CFR 1040.20.

RECOMMENDED EXPOSURE SCHEDULE

First three sessions should be at 48 hour intervals. Followed by the gradual increasing of exposure times until maximum tanning has occurred (in approximately 4 weeks). MAXIMUM EXPOSURE is 15 minutes.

Skin type	Week 1 1st-3rd Session	Week 2 4rd-6rd Session	Week 3 7rd-9rd Session	Subsequent Weekly Session
II	3 min	5 min	8 min	12 min
III	3 min	6 min	10 min	13 min
IV	3 min	7 min	10 min	13 min
V	3 min	8 min	11 min	15 min

This schedule is intended to be used with the following lamps: (standard configuration)

Kalfasun 630F

Kalfasun 1530F

1.4 TRANSPORT AND HANDLING

The machine is carefully protected and loaded onto pallets before shipping. The various parts of the machine must never be transported or stored in positions which differ from the positions in which they are shipped. In this case, the warranty shall be null and void.

The machine must be handled with care in order to prevent the risk of damage to the packaged sections. All handling operations should be carried out by authorised and trained personnel. When the machine is delivered, immediately check that the packaging material is whole and that no damage has occurred during transport.

Any damage to the machine must be notified to the carrier not later than **eight calendar days** from the date of delivery. If internal damage is suspected, it is advisable to accept the machine reserving the right to check accordingly.

THE CARRIER IS RESPONSIBLE FOR ANY DAMAGE OCCURRING DURING TRANSPORT OF THE MACHINE. SPORTARREDO WILL MAKE EVERY EFFORT TO ASSIST THE CLIENT IN SUCH CASES

ALL MAINTENANCE OF THE MACHINE MUST BE PERFORMED BY SPECIALIZED TECHNICIANS FROM SPORTARREDO OR BY PERSONS AUTHORIZED BY SPORTARREDO USA INC.

**IMPORTANT!
ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BY PRESSING THE SWITCH BREAKER BEFORE CARRYING OUT MAINTENANCE**

1.5 PREPARATION FOR INSTALLATION BY THE CLIENT

Unless otherwise expressly specified in the contract, the following must be provided by the client:

- Connections to the electrical circuit, including the protective wire generally referred to as the "EARTH CONNECTION", unit feeding cable, power plug and circuit breaker.
- Canalization system for the emission of hot air.
- External air intake.
- All tools and equipment necessary for installation.

**THE UNIT IS SUPPLIED FOR INPUT VOLTAGE AT 220V 3phase 60 Hz
AND IT IS SUPPLIED WITH OUT THE FEEDING CABLE**

To make a power cable connection or voltage-change, make reference to the chapter "INSTALLATION" paragraph "VOLTAGE-CHANGE" and to the 3STARS n° 1/9 electrical diagram.

These operations must be done by technical personnel.

THE BREAKER MUST BE INSTALLED IN THE POWER SUPPLY BOARD OF THE ESTHETICAL CENTRE AND IT MUST BE DONE BY THE CENTRE ITSELF.

Mod. 3stars HP600:

3x25A-30mA 220V 3 phase 60Hz

The installation must be done by technical personnel.

THE POWER SUPPLY CONNECTION (UNIT-BOARD) MUST BE DONE BY THE CENTRE. THE SKILLED TECHNICIAN MUST USE A CERTIFIED CABLE WITH THE PROPER SECTION AND WITH ADEQUATE MECHANICAL PROTECTION, IN ACCORDANCE WITH THE RULES IN FORCE.

SEE CHAPTER 3.1 TABLES FOR TECHNICAL DATA "POWER SUPPLY CABLE SECTION"

PLEASE CONTACT THE CUSTOMER SERVICE AT PHONE NUMBER

1-866-899-4826 FOR ANY FURTHER DOUBT

Before the evening closing, or the closing for a prolonged period you should operate on the breaker in order to disconnect the power supply.

TO HAVE A CORRECT USE OF THE EQUIPMENT, THE ROOM TEMPERATURE **MUST NOT EXCEED THE 86°F DEGREES**. IF ROOM TEMPERATURE EXCEEDS THIS VALUE, WE SUGGEST TO UTILIZE AN AIR-CONDITIONING UNIT.

2 - SAFETY INFORMATION

2.1 GENERAL

The employer must ensure that the persons assigned to the operation of the machine receive adequate training concerning possible accident risks, the devices fitted for the safety of the operator and the client, the risks associated with the emission of UV light and the general accident-prevention regulations specified by international norms and local legislation.

Those responsible for operation, maintenance, cleaning and control of the machine must adhere strictly to the accident-prevention regulations applicable in the country in which the machine is installed.

Before operating the machine, the operator must be completely familiar with the position and the function of all the controls and with the characteristics of the machine. The operator must read this manual carefully and completely.

The machine must be operated by fully-qualified operators only.

Removal of the **safety devices** and protective barriers is strictly forbidden.

No heavy weights must be placed on the moving parts of the machine. The ventilation ducts and intake grilles must not be obstructed by foreign bodies.

The machine must always be switched off and disconnected from the power supply before performing any routine or special maintenance operations.

Unauthorised replacement of or repairs to any part or section of the machine, or the use of accessories or material that are not original or recommended by the manufacturer, may represent a risk of injury, and exonerate the manufacturer from all civil or penal liability.

It is forbidden to stay near the appliance while it is operating without eye protection.

"DANGEROUS ZONES": any zone internal to or in the vicinity of the machine in which the presence of an exposed person constitutes a risk for the safety and the health of that person.

"EXPOSED PERSON": any person who is wholly or partly in a dangerous zone.

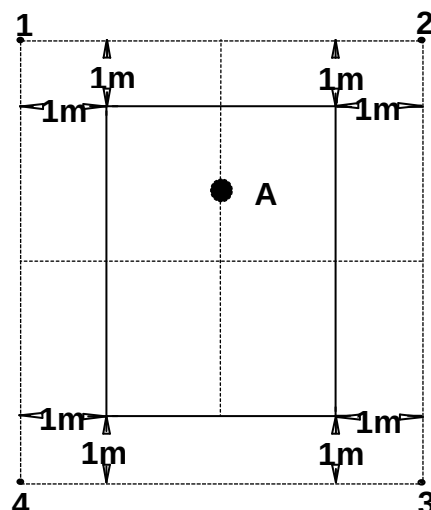
"OPERATOR": person or persons assigned to the installation, operation, adjustment, maintenance, cleaning, repair and transport of the machine.

2.2 NOISE

The machine is designed and built in such a way as to reduce operational noise as follows:

- Effective normalized sound power during operation (see diagram below, points 1, 2, 3, 4): 65 dB (A) max.
- Effective sound pressure at a distance of 0.4 metres with simulation of the actual position of the person being treated point A: 74 dB (A) max.

The figures shown above have been determined according to ISO 3746.



2.3 REGULATIONS

In the planning of this unit the following rules and provisions of the European Community have been taken in consideration:

ECC Directive N. 91/368 dated 20.06.91, N.93/44 dated 14.06.1993, N.93/68 dated 22.07.

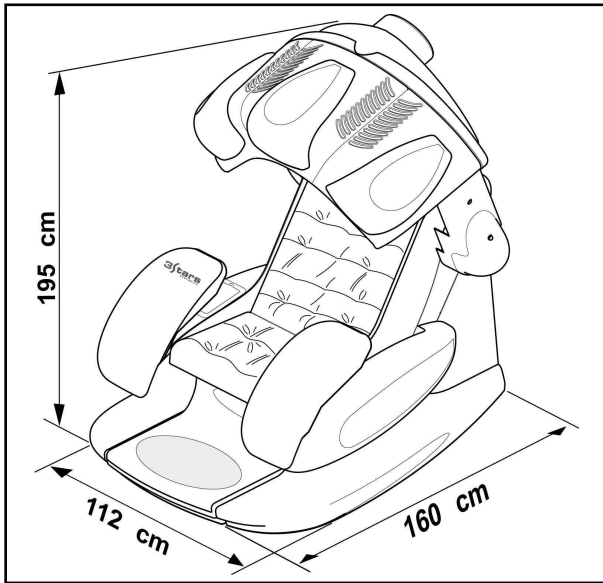
ECC Directive 2006/95 dated 12.12.2006 known as "low voltage directive".

ECC Directive 2004/108 dated 15.12.2004 known as "Electronic compatibility directive".

En 60335-2-27 II part Special standard for units for the treatment of the skin with ultraviolet and infrared rays for home use and similar use.

3 - TECHNICAL DATA

3.1 DIMENSIONS AND TECHNICAL DATA 3STARS



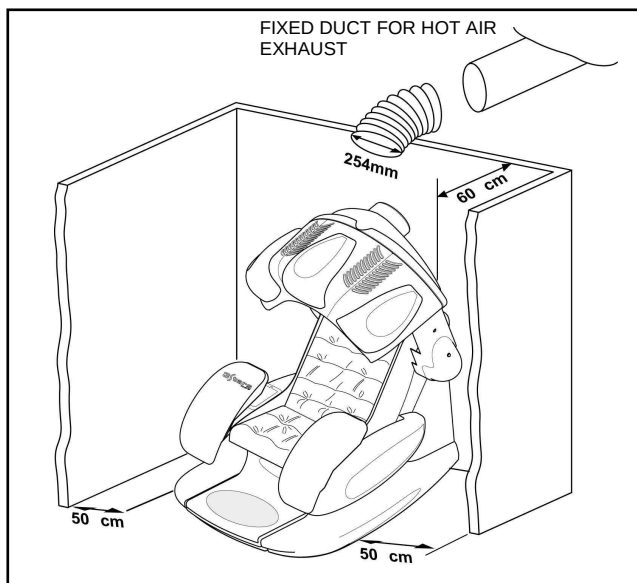
MAXIMUM LENGTH	160 cm	63 in
MAXIMUM WIDTH	112 cm	44 in
MAXIMUM HEIGHT	195 cm	77 in
WEIGHT	275 Kg	606 lb

3STARS PROFI 600	U.M	DATA
POWER SUPPLY	V	220V 3phase
POWER ABSORPTION	KW	5,5
NOMINAL CURRENT	A	16
POWER FACTOR CORRECTION		0.97
FREQUENCY	Hz	60
WIRE SIZES	AWG	5
NUMBER OF WIRE REQUIRED		4
EXHAUST AIR FLOW	m³/h	925
FEEDING PLUG		3P+ $\frac{1}{2}$ (32A)
PRODUCED CALORIES	Kcal/h	4700
HEAT DISSIPATION	Kcal/h	2800
FACIAL LAMPS TYPE	N.	3 KALFASUN 1530F
HAND-TANNER LAMPS TYPE	N.	2 KALFASUN 630F

UV EMISSION
SEE RAY EMISSION CERTIFICATE

4 - INSTALLATION

4.1 PRE-INSTALLATION



In order to ensure correct operation of the machine, it should be installed in an area which has been prepared as shown in the figure.

The connection of the exhaust air pipe must have on the first part (50-60cm from the edge of the fan) the minimum curving. This device has to be done to reduce the noise of the fan caused by the resistance of the hair, to improve the cooling of the lamps and to have a better air flow during the tanning session.

4.2 CONNECTION

The area in which the machine is installed **must be adequately ventilated, fit the area with an air intake from outside if necessary**. To improve the technical comfort we suggest to connect the tube to expel the hot air to a fixed duct to expel the air outward

- The metal structure of the machine is earthed by means of insulated wires connected to the earth terminal in the electrical junction box.
- The earth circuit must be in full compliance in accordance with the rules in force.
- The earth connection must also be fitted to low-voltage systems situated in wet or very damp areas (if the voltage to earth is in excess of 25V for alternating current or 50V for direct current).
- The earth wires connected to every part of the various sections of the machine and the earth wires from the various power circuits and user groups must be connected to a single earthing circuit.
- Ensure that the materials used for the earth system are suitably robust and provided with adequate protection.
- The connection to the main earth terminal should be as short as possible. The earth wires should not be subjected to mechanical stress of any kind, and must be protected against corrosion.

4.3 ASSEMBLY INSTRUCTIONS

SEE ENCLOSED TABLE AND PHOTOS

- 1 - Position the base **A**.
- 2 - Remove the rear casing **B**, removing the 4 fixing screws 4,2x22.
- 3 - Insert the control cassette **C** from the frontal side and push it till the limit.
- 4 - Connect all the connectors making them pass under the control cassette to avoid the direct contact with the lamp (see Photo 1).
Hand tanner **DX** (control board):
- 5 - Fit the right-hand and left-hand **L** control levers in the seats on the column.
- 6 - Connect the arms **M** to the head **H** of the unit using Allen screws M8x30. (See photo 2).
Connect the connector of the motor for raising the arms and the 10 pins connector of the head feeding already fixed on the arm.
Position the ABS arm covers **Q**, placing them on the left and right as indicated, securing each cover with two 6x20 and with four self-tapping screw 2,9x9,5.
Cover the holes of the plate **N** covers with the specific lid.
- 7 - Make the equipotential earth connections on the control cassette.
Connect the unit to the input voltage making passed rear the chair and under the control cassette.
- 8 - Fit the **R** foot-board footrest and fix it with two screw 5x16 and washer.
- 9 - Position the ABS covers **G-F-F1-E**, under the hand tanner **DX-SX**, securing each cover with the screws 3,9x13.
- 10 - Position and close the rear casing **B**, with the 4 fixing screws 4,2x22.
- 11 - Fix the ABS covers **S**, on the foot-board with the five screws 3,9x13, finally apply the **T** little cushion for the footrest.

WARNING!

In the control box there is a safety timer set this timer at a value 10% longer than the maximum session time.
e.g.: session time 15 minutes set the safety timer to 16,5 minutes.



1



2



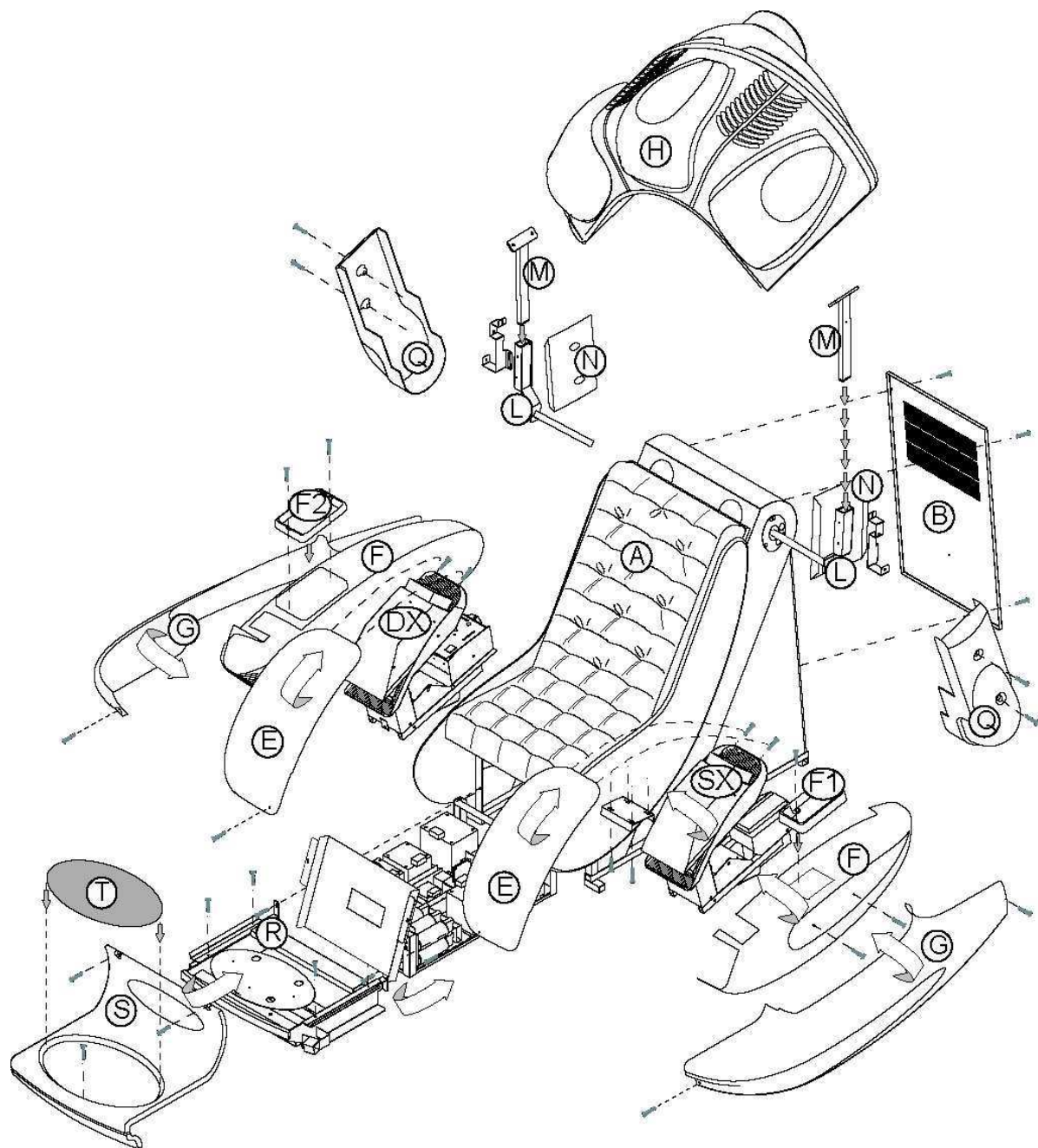


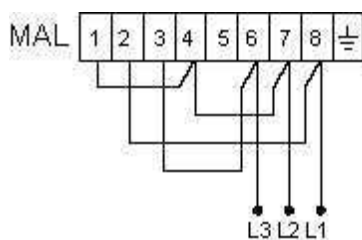
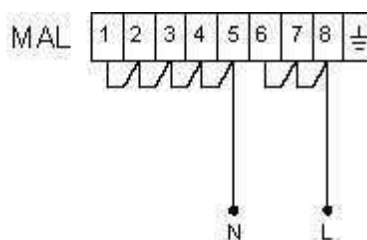
FIGURE 1

4.4 VOLTAGE CHANGE

To enter the terminal board for power supply, placed inside the basement (control cassette), make reference to Picture 1 and Figure 2.

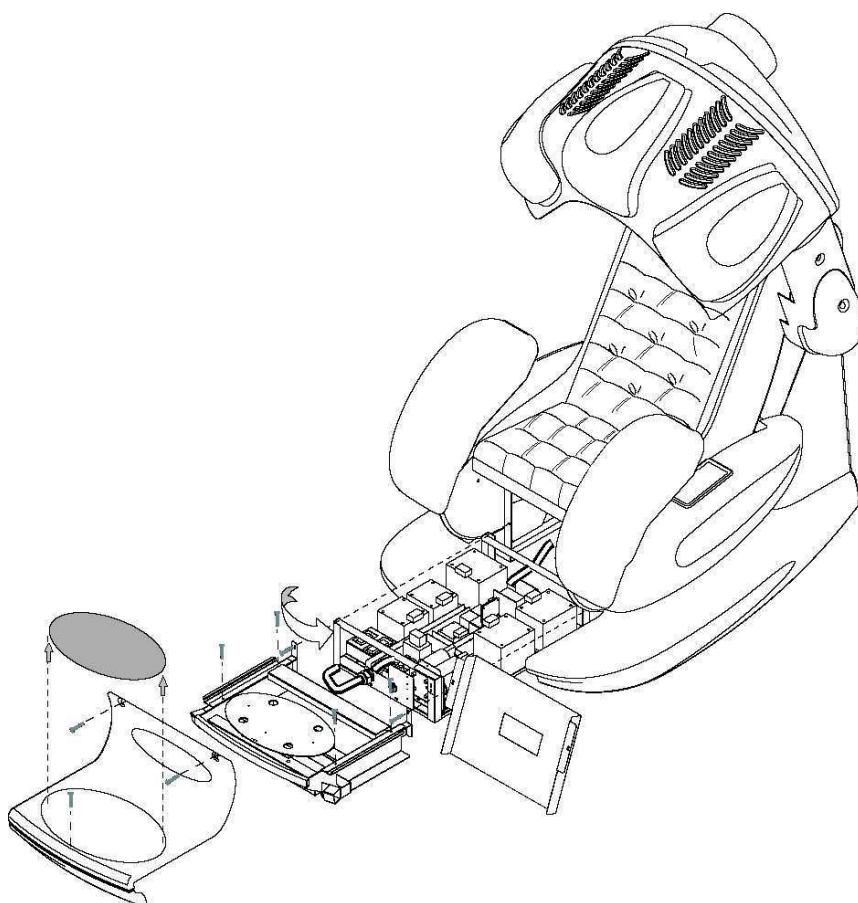
IMPORTANT !

**ALWAYS DISCONNECT THE MACHINE
FROM THE POWER SUPPLY BY
PRESSING THE SWITCH BREAKER
BEFORE CARRYING OUT
MAINTENANCE**

**220V 3F****220V MONO**

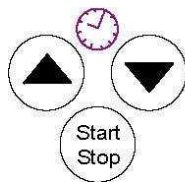
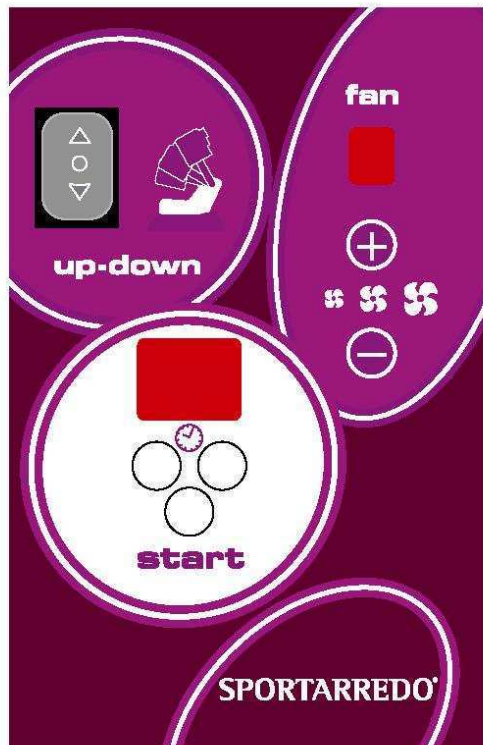
Picture 1

MAINTENANCE OF THE COMPONENTS IN THE ELECTRICAL BOXES

**FIGURE 2**

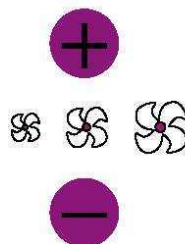
5 - USE

5.1 CONTROL BOARD

**THE BED USE A T-MAX® 005
OVERVIEW**

Each T-Max® 005 can manually control a tanning bed, connected to a T-Max® 3A remote front desk control or be connected with many T-Max® timers and a T-Max® Manager or T-Max® Manager/Pro to control many beds from a remote location. Operation is accomplished via front panel controls. (Refer to Paragraph 8).

May be used by authorised personnel only.

**BODY VENTILATION**

+/- increase or decrease the body ventilation.



When this button is pressed, the upper section descends to the normal operating position. Downward movement of the head is controlled by impulses; if the button is released, the downward movement is interrupted.

5.2 HOW TO GUARANTEE THE SAFETY OF THE PERSONS EXPOSED TO UV

Don't use the unit in case of filter damages and timer faults!

ATTENTION!
AN IMPROPER OR INCORRECT USE OF THE UNIT CAN CAUSE SERIOUS BODILY DAMAGES TO THE PERSON EXPOSED!

From a careful analysis, as specified in **EN 60335-2-27**, the precautions that must be observed are listed below.

- 1) If the client is undergoing treatment using medication, such as antibiotics or anti-inflammatory pharmaceuticals, it is advisable to suspend tanning sessions.. In any case, it is advisable to consult a doctor.
- 2) Before a tanning session, the skin should be clean and free of cosmetics or perfumes.
- 3) Be sure not to exceed the exposure times selected by the staff of the tanning centre.
- 4) Always use the special protective eyewear. The eyes must under no circumstances remain open during the tanning session.
- 5) After each tanning session, it is advisable to apply a moisturising cream.

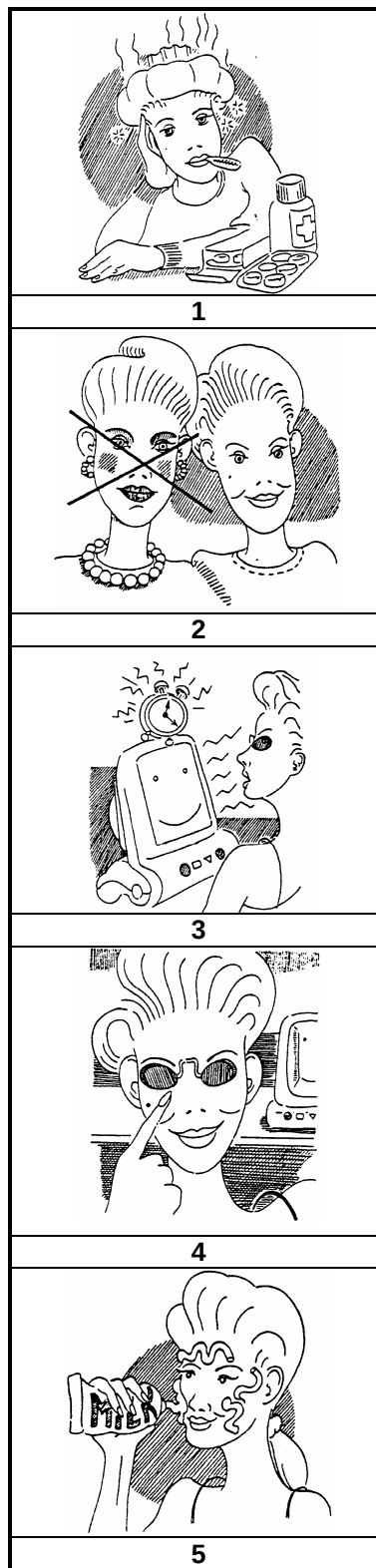
It's advisable to:

- Not exposure any part of the body more than one time per day.
- Not exposure to the unit and sun in the same day.
- Do not expose yourself to the appliance if you usually burn with normal sunlight or if you suffer from sun-rash.
- Do not make UV session in case of pregnancy. In any case please consult your own attending physician before making the session.
- Do not expose to UV immediately after depilation treatments.
- Do not expose children or adults that are prone to or are suffering (or have previously suffered) from skin neoplasia.
- Consult the physician if on the skin swellings, ulceration's or red spots appear.

ATTENTION!

- **Ultraviolet radiation may cause injury to the eyes and skin, such as skin ageing and eventually skin cancer.**
- **Read instructions carefully.**
- **Wear the protective goggles provided.**
- **Certain medicines and cosmetics may increase sensitivity.**

A copy of the following warnings is supplied with the manuals and must be shown to the public close to the unit.



6 - ORDINARY MAINTENANCE MADE BY THE CUSTOMER

6.1 ORDINARY MAINTENANCE

IMPORTANT !
ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BY PRESSING THE BREAKER SWITCH BEFORE CARRYING OUT MAINTENANCE

(Refer to Paragraph 8 Section 6.1).
 - Cleaning of cobalt and transparent filters.

IMPORTANT!
USE ONLY THE DISINFECTANT CLEANSING THE TRANSPARENT AND BLUE COBALT FILTERS
N.B. DO NOT USE ALCOHOL OR ALCOHOL-BASED PRODUCTS FOR CLEANING

REMOVING AND CLEANING THE TRANSPARENT AND BLUE COBALT FILTERS

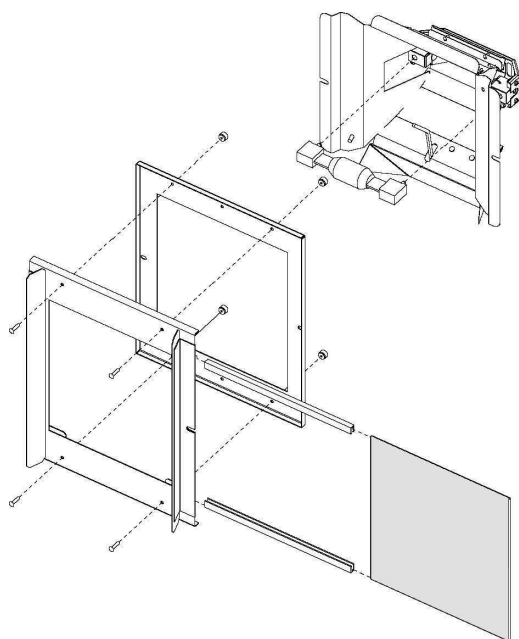
To make the cleaning of the filters it's necessary to make as follows on Figure 3-4.

CHECK OF THE BLUE COBALT FILTER

To prevent the exposition to bad rays it's important to check the good conditions of the blue cobalt filters and the fixing condition to the metallic frame. If breaks or cracks are present in a blue cobalt filter, a security device automatically switches off the unit. The feeding switches on again when the blue cobalt filter is replaced.

These checks must be performed by qualified personnel

MAINTENANCE OF BLUE COBALT FILTERS



CLEANING THE TRANSPARENT AND BLUE COBALT FILTERS

Clean the filters internally and externally using a 50% solution of water and denatured alcohol.

ANY TAMPERING WITH THE APPLIANCE OR THE USE OF NON-ORIGINAL MATERIAL OR PARTS MAY LEAD TO INJURY. IN SUCH CASES, THE MANUFACTURER DECLINES ALL CIVIL AND PENAL LIABILITY, AND THE WARRANTY SHALL AUTOMATICALLY BE CONSIDERED NULL AND VOID.

FILTERS USED IN THIS APPLIANCE:

Cobalt filter 210x230
 Cobalt filter 230x160
 Type filter STC 360x45
 Type filter STC 230x170 handtanner.

REFLECTORS USED IN THIS APPLIANCE:

Reflector AM 630P handtanner.
 Reflector M1530P.

HOW TO APPLY THE PROTECTIVE STRIP ON THE FOOT-BOARD.

A protective strip (approx.55 cms.) is supplied with the unit: we suggest to apply it on the border of the foot-board to avoid the abrasion of the shoes. See figure 5. With a liquid detergent product clean, remove the grease and dry the plastic surface before applying the strip.

It is also supplied a protection cover to wrap up the foot-board.

CLEANING THE FILTERS AND COOLING FANS

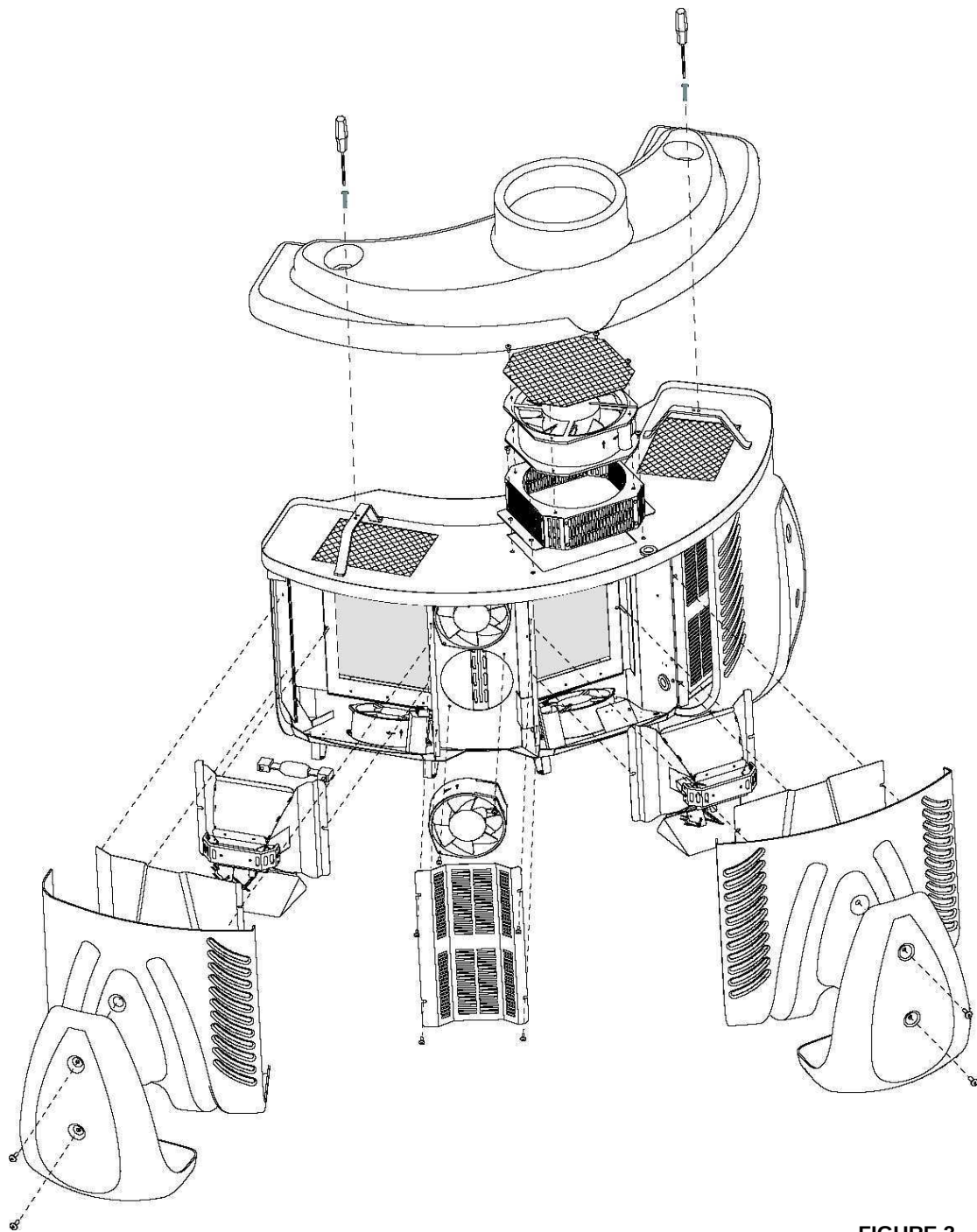


FIGURE 3

CLEANING THE HAND-TANNER

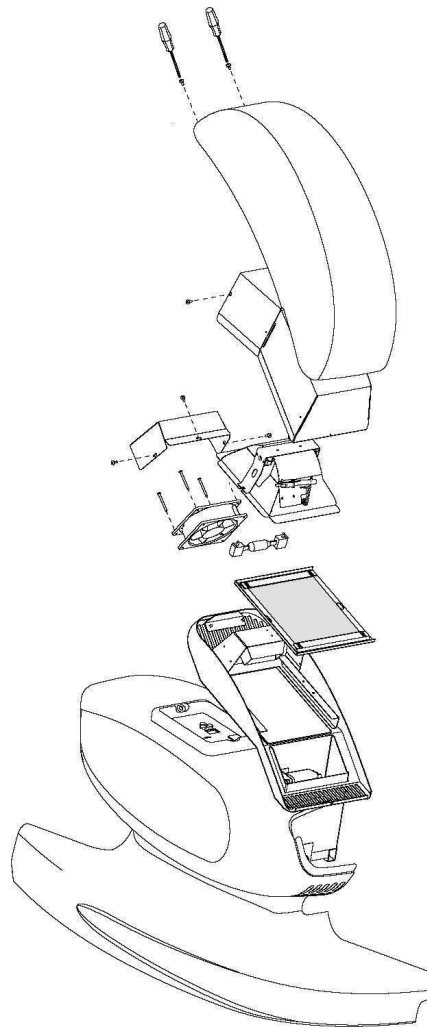


FIGURE 4

APPLICATION THE PROTECTIVE STRIP ON THE FOOT-BOARD

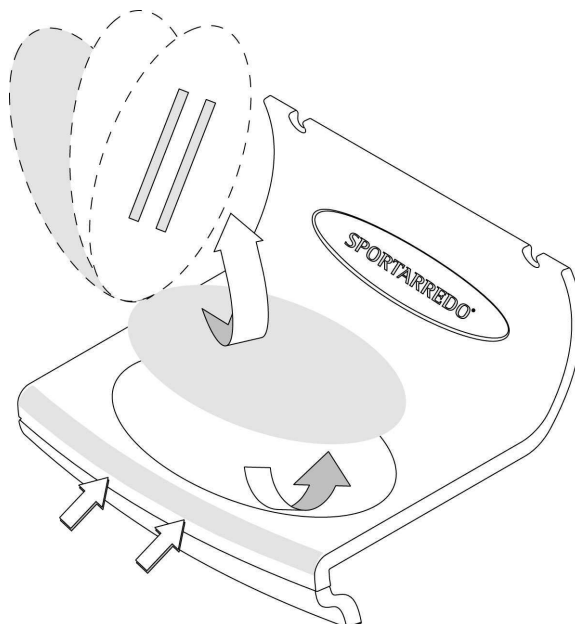


FIGURE 5

7 - EXTRAORDINARY MAINTENANCE MADE BY A SKILLED TECHNICIAN

7.1 EXTRAORDINARY MAINTENANCE

(Refer to Paragraph 8 Section 6.2).

- Cleaning of internal and external acrylics.
- Replacement of high-low pressure lamps.
- Check that the timer system is working correctly.
- Check that the USE instructions are legible and in satisfactory condition.
- Replace the reflectors, the igniters for the high-pressure lamps and the starter for the low-pressure lamps.
- Clean the fans and the inside of the machine.
- Replace the acrylics.

7.2 PERIODIC CONTROL PROCEDURES

Electrical checks. Check that the electrical safety devices, and the acoustic/illuminated signal devices and alarms are undamaged and that they function correctly. Check that the equipment and devices in the electrical control box are in satisfactory condition.

Standby batteries for raising the canopy.

The standby batteries have a limited duration and should be replaced after 1000 hours (or three years) of installation.

The useful life of the batteries depends to the use conditions and can decrease in special conditions of use.

Verify the correct operation of the batteries every change of lamps (400 hours) and fit the unit with new batteries in case of malfunction.

How to verify the operation: put the canopy of the unit down and DISCONNECT the machine from the power supply by pressing the switch breaker. With batteries in good conditions and with no power, the canopy must raise.

These checks must be performed by qualified personnel

**IMPORTANT !
ALWAYS DISCONNECT THE MACHINE
FROM THE POWER SUPPLY BY
PRESSING THE BREAKER BEFORE
CARRYING OUT MAINTENANCE**

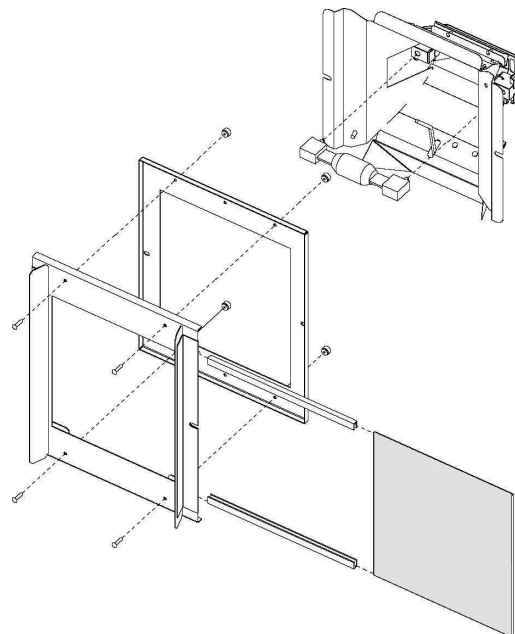
**IMPORTANT!
USE ONLY THE DISINFECTANT CLEANSING THE
TRANSPARENT AND BLUE COBALT FILTERS
N.B. DO NOT USE ALCOHOL OR ALCOHOL-BASED
PRODUCTS FOR CLEANING**

CHECK OF THE BLUE COBALT FILTER

To prevent the exposition to bad rays it's important to check the good conditions of the blue cobalt filters and the fixing condition to the metallic frame. If breaks or cracks are present in a blue cobalt filter, a security device automatically switches off the unit. The feeding switches on again when the blue cobalt filter is replaced.

These checks must be performed by qualified personnel

MAINTENANCE OF BLUE COBALT FILTERS



CLEANING THE BLUE COBALT FILTERS

Clean the filters internally and externally using a 50% solution of water and denatured alcohol.

**ANY TAMPERING WITH THE APPLIANCE OR
THE USE OF NON-ORIGINAL MATERIAL OR
PARTS MAY LEAD TO INJURY. IN SUCH
CASES, THE MANUFACTURER DECLINES ALL
CIVIL AND PENAL LIABILITY, AND THE
WARRANTY SHALL AUTOMATICALLY BE
CONSIDERED NULL AND VOID.**

REPLACING THE LAMPS - CLEANING THE FILTERS - REPLACING THE COOLING FANS

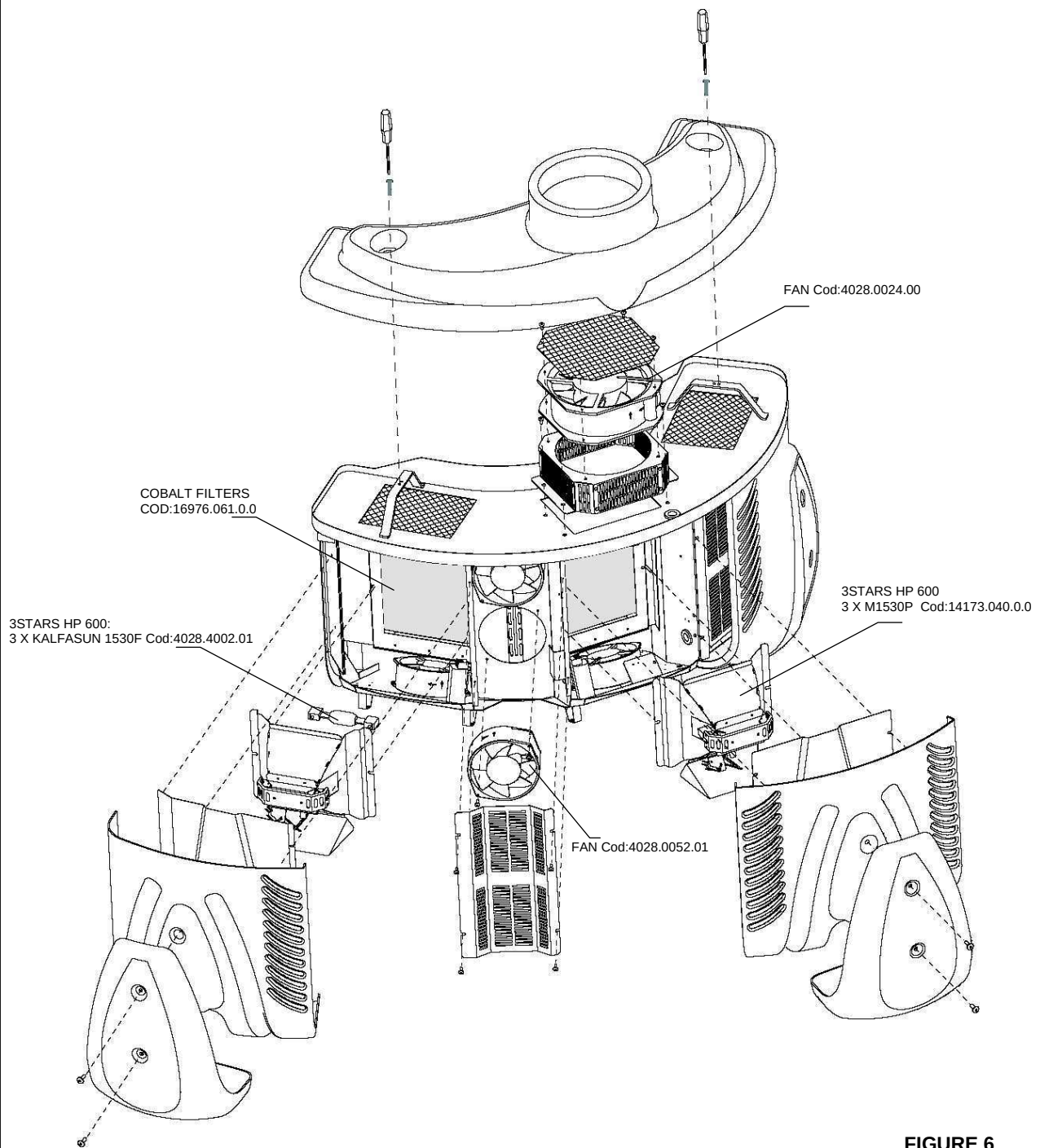


FIGURE 6

REPLACING THE COOLING FANS

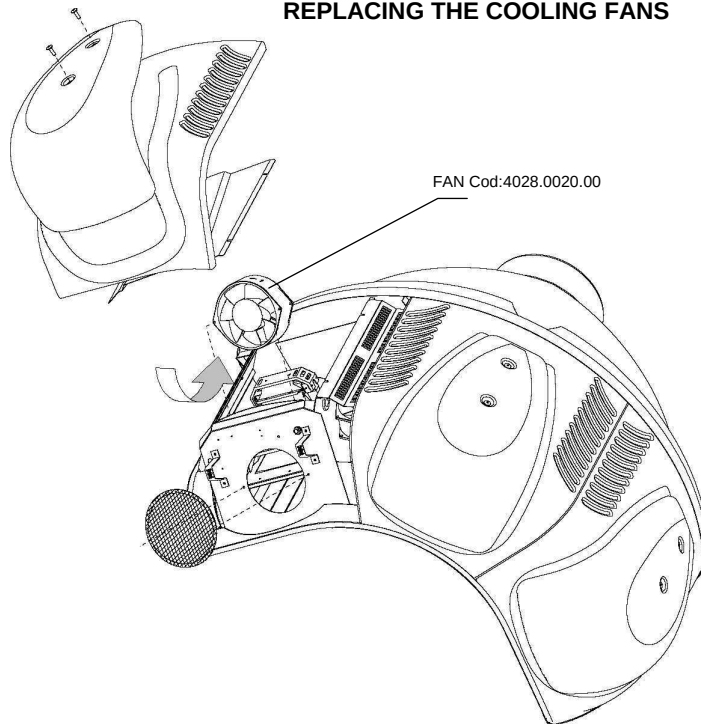


FIGURE 7

REPLACING THE LAMPS - CLEANING THE FILTERS - REPLACING THE COOLING FANS

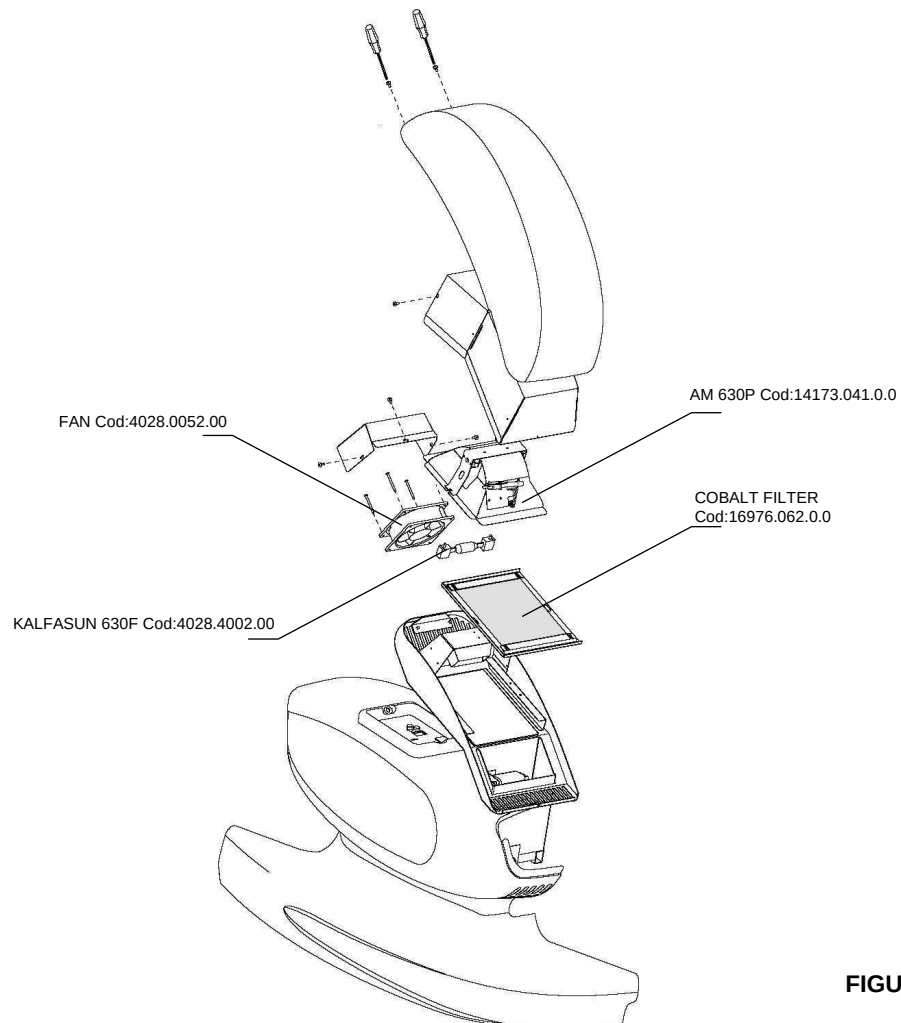
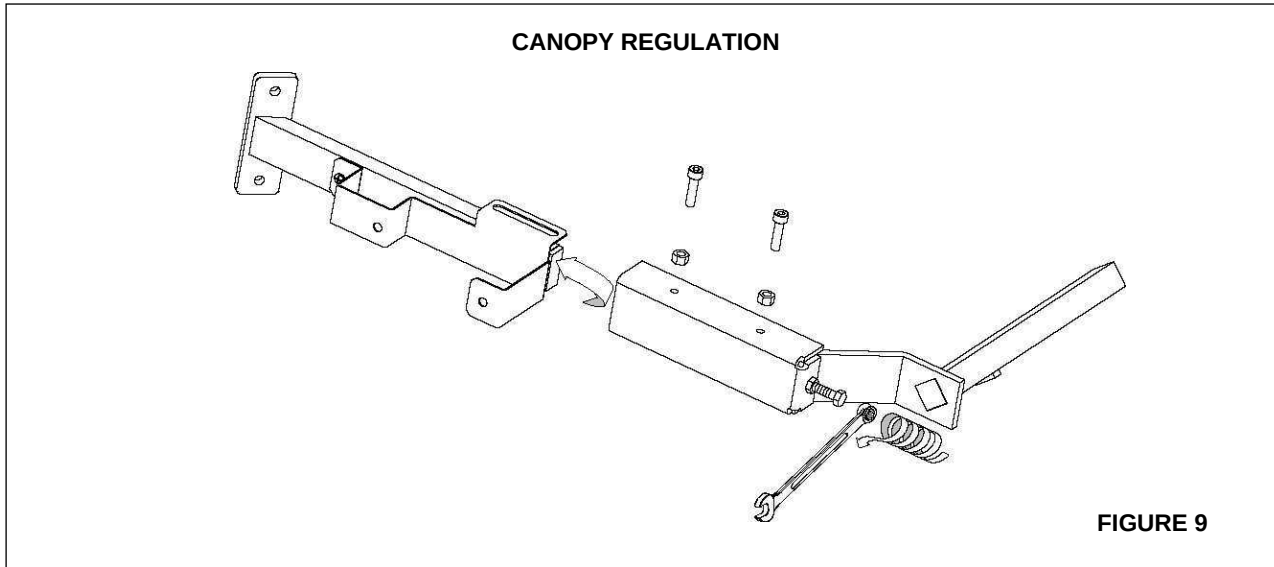


FIGURE 8

Is possible to approach or to get further the intensive one to the face of some centimeters through the regulation of two screws (8x50) set inside the arms that sustain the canopy of the equipment



ACTUATOR SUBSTITUTION FOR LOWERING THE CEILING

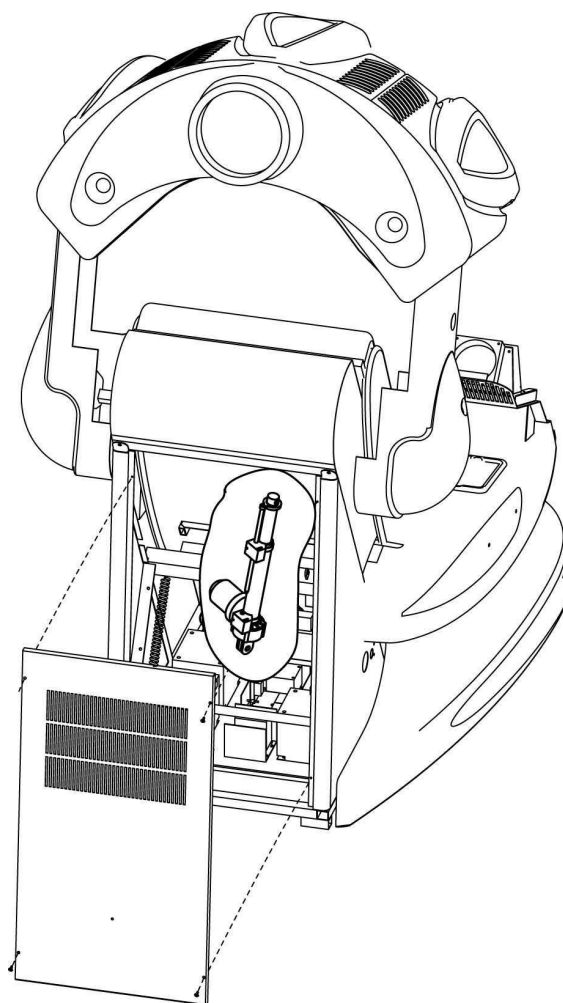
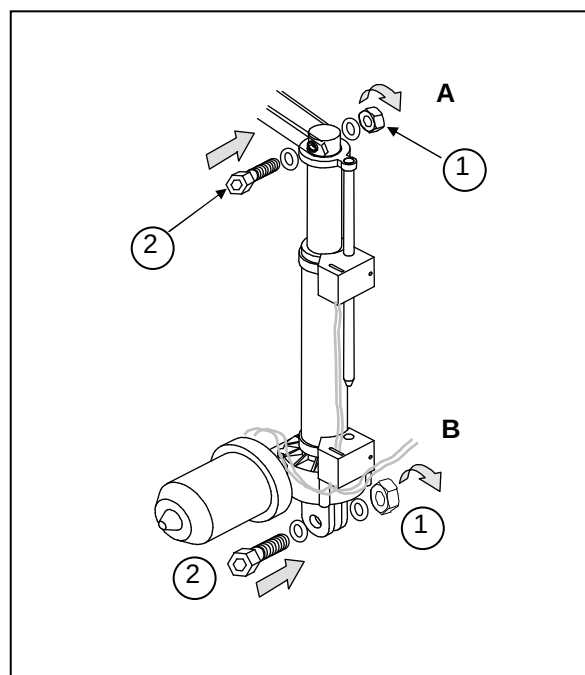


FIGURE 9

ACTUATOR SUBSTITUTION FOR LOWERING THE CEILING

- Remove the screws and remove the rear casing.
- Disconnect from the terminal board the feeding wires of the actuator.
- Support the ceiling.
- Unscrew the block **A** and release the screw nut.
- Unscrew the block **B**, release the screw nut and release the actuator.
- Replace the actuator with an approved original spare part cod. 4027.0010.04.
- To assemble the part act the opposite procedure, by paying attention to connect the feeding wires of the motor to the terminal board (red wire, blue wire).



8 - THE BED USE A T-MAX® 005

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The information in these tables of contents are believed to be correct. However, Applied Digital, Inc. assumes no responsibility for any errors herein. This information is subject to change without notice, and should not be construed as a commitment by Applied Digital, Inc.

This product is warranted against defective materials and workmanship for a period of two years from date of purchase. In the event the product fails to perform, it may be returned; Shipping Paid, to the factory to be serviced or replaced at the factory's discretion. Applied Digital, Inc. will pay to ship the repaired or replaced product by the shipping means of our choosing. Returns will not be accepted without a Return Authorization Number assigned by the factory.

Is a condition of Sale that the user of Applied Digital Inc.'s products assumes all risk and responsibility of use and indemnifies Applied Digital Inc. against all damages. Applied Digital, Inc. is not liable for loss of profits, lost savings, special, incidental, consequential, indirect or other similar damages arising from breach of warranty, breach of contract, negligence, or other legal action even if Applied Digital, Inc. or its agent has been advised of the possibility of such damage, or for any claim brought against you by another party. This warranty allocates risks of product failure between the purchaser and Applied Digital, Inc. Applied Digital, Inc.'s hardware pricing reflect this allocation of risk and the limitation of liability contained in this warranty. It is a violation of the stated warranty to cut or modify the provided modular cables supplied with the T-Max® Series Timers. Connecting the T-Max® Series to third party timers not approved by Applied Digital, Inc. also violates the stated warranty. Contact your dealer or Applied Digital, Inc. to determine if your third party timer is approved by Applied Digital, Inc.

1 OVERVIEW

Each T-Max® 005 can manually control a tanning bed, connected to a T-Max® 3A remote front desk control or be connected with many T-Max® timers and a T-Max® Manager or T-Max® Manager/Pro to control many beds from a remote location.

Operation is accomplished via front panel controls.

1.1 Specifications

Current draw: 300mA
 Dimensions: Height – 3.5"
 Width – 3.25"
 Depth – 1.5"
 Relays: 220VAC 5A, SPST Form A

2 CONFIGURATION

2.1 Connecting to the tanning bed and applying power

A white header provides connections for power, lamps and fan. See Figure 1, Section 7.1 for wiring connections on this timer.

2.2 Setting parameters

Note: If you are using a T-Max® Manager or T-Max® Manager/Pro and multiple T-Max® timers, remove power from the T-Max® Manager or T-Max® Manager/Pro and keep the power removed until all parameter changes are complete.

1) Press and hold the Start/Stop and Up buttons simultaneously until a “.1” is displayed. Release the buttons.

This is an indication that you are in the parameter mode. The numbers currently displayed represents the parameter number that you can observe or change.

2) Press the Up or the Down Button until the parameter number that you want to observe or change is displayed.

3) Press the Start/Stop Button. The current value for that parameter will be displayed and be flashing.

The T-Max® 005 will show a number with a period illuminated in the lower center of the display. The number shown is the current value for that parameter. For Lamp, Session Counts, etc. the value displayed can be as high as 9999. To display this value, T-Max® 3A will flash two number-three times, then two number-three times, pause, two number-three times, two number-three times, pause, etc. For example, if you are checking lamp hours (Parameter 6) and the display flashes the numbers 53 three times, then 14 three times, pauses then repeats, then the total lamp hours stored in that T-Max® 005 is 5314.

4) Press the Up and Down Buttons to change the parameter to the desired value.

If you want to clear the value for that parameter, press the Up and Down Buttons at the same time until the display shows “.0”.

5) Press the Start/Stop Button.

The display will show the parameter number you just changed and a solid period in the lower center of the display. You may now change another parameter by pressing the Up or Down buttons until the parameter that you want to change is displayed.

Repeat Steps 2-4 for each parameter you want to change.

6) To exit the Parameter mode and make the T-Max® 005 available for the next session, press and hold the both up and down buttons until the display shows a 0 with no periods displayed.

Table 1 – Parameter numbers for observing and changing parameters.

Parm #	Description	Max #	Default	Notes
1	Address	255	254	Address of T-Max® 005
2	Beep Mode	1	0	User for High Power beds. 0=Alarm only, 1=Alarm and Flip
3	Delay Time	10	0	Delay in minutes stored in the T-Max® 005
4	Current Sense	1	0	For the T-Max® Sentry™ Option. 0=Disabled, 1=Enabled
5	Session Counts	65535	0	Total session counts for T-Max® 005
6	Lamp Hours	65535	0	Bulbs hours for each bed
7	Bed Hours	65535	0	Number of hours a bed is on
8	Manual Session Counts	65535	0	Counts the number of session the Max® 005 has run while in Stand Alone Mode
9	Clean Room	1	1	0=Clean Room Disabled, 1=Enabled
10*	Manual Lockout	1	0	0=Stand Alone Enabled, 1=Disabled
13	Cool Down Mode	10	0	0=Disabled, 1-10=Enabled. Time delay in minutes allowing bed to cool
15	Fixed Session Counts	65535	0	Counts number of sessions ran though the T-Max® 005. This value cannot be changed at all. Used as point of reference
19	Third Party Interface (TPI) Mode**	1	0	Used for input for timing systems other than the T-Max® Series. Contact closure input. 0=Disabled; 1=Enabled
20	External Speaker	1	0	0=Speaker on T-Max® 005, 1=External speaker will be used
21	Pause Mode	1	0	0=When session is paused, time will continue to count down. 1=When session is paused, session time will stop counting down
22	Auto Bed Shut Off	1	0	For T-Max® Intercom System Only. 0=When timer is called bed will stay on, 1=When timer is called, bed will stuff off automatically

* If Manual Lockout is enabled, the T-Max® 005 cannot operate as a stand alone timer.

2.1 Setting the address

Note: If you are using a T-Max® 005 as an independent timer, you don't need to set the address.

1) Press and hold the Start/Stop and Up buttons simultaneously T-Max® 005 until a “.1” appears on the display. Release the buttons.

2) Press and release the Start/Stop button. A number will appear on the display and be flashing. A period will be illuminated in the center of the display.

Pressing and holding the Up button will cause the display to count up. Pressing and holding the Down button will cause the display to count down. Once the count reaches 100, the center period will flash rapidly. This is an indication that you are over 99. For example, if the display shows a .2 with the period flashing, this is address 102. The highest the display will count up is 255.

3) Press the Up or the Down Button until the desired address is displayed. When setting the address remember 3 rules:

- a) Set each T-Max® 005 to a unique address.
- b) Do not set any address to 00.
- c) Do not set any address over 100.

4) Once the desired address is displayed, press and release the Start/Stop button. The “.1” will appear on the display. Nothing will flash.

5) To exit, press and hold both the Up and Down buttons together until the period goes away.

2.2 Setting Delay time

1) Press and hold the Start/Stop and Up buttons simultaneously on the T-Max® 005 until a “.1” appears on the display. Release the buttons.

2) Press the Up button until “.3” is displayed.

3) Press and release the Start/Stop button. A number will appear on the display and be flashing. A period will be illuminated in the center of the display. This is the current delay time.

4) Press the Up or the Down Button until the desired delay time is displayed.

The highest delay time that can be set on the T-Max® 3A is 10 minutes. If you want no delay time, set the display to 0. If you set the Delay Time to 0, the session time will start immediately after the Start/Stop button is pressed.

5) Press the Start/Stop button. The “.3” will appear on the display. Nothing will be flashing.

6) To exit, press and hold both the Up and Down buttons together until the period goes away.

3 USING THE T-MAX® 005 AS A STAND ALONE TIMER

3.1 Starting a session

1) Press the Up or Down Button on the T-Max® 005 until the desired session time is displayed. If the display shows a 0, and you want to go directly to the maximum time, press the Down button once.

2) Press and release the Start/Stop button to start the session.

If a delay other than 0 is entered, the delay will count down. A period on the lower right corner of the display will flash rapidly. When the session starts, the period will flash at a once per second rate. If the delay is set to 0, the session will start immediately. If you have a delay and want to energize the tanning bed, press the Start/Stop button again.

3.2 Pausing a session

To pause the session press the Start/Stop button. The flashing period on the lower right corner of the display will stop flashing and stay illuminated. To restart the session, press the Start/Stop button on the T-Max® 005. The period on the lower right corner of the display will resume flashing.

Note: The session time will continue to count down. The display will continue to update and reflect the remaining session time.

3.3 Canceling a session

To cancel a session, press the Start/Stop button to pause the session then press and hold the Up button until the remaining session time shows on the display disappears.

4 REMOTE SINGLE BED CONTROL

Remote single bed control is the ability to control a single T-Max® 005 from a remote location. A T-Max® 3A is required for this configuration.

4.1 Wiring

Place a T-Max® 3A at the desired remote location. Wire the T-Max® 3A as shown in the T-Max® 3A user's guide.

Run the modular cable provided with the T-Max® 3A from the T-Max® 005 in the tanning room to the remote T-Max® 3A.

Connect the modular cable to one of the RJ-22 ports on each T-Max® 3A (it does not matter which port the cable is connected to).

4.2 Configuration

Set the address on the T-Max® 005 in the tanning room to “1”, and the address on the T-Max® 3A to “0”.

Note: When setting the address on the T-Max® 005, the power to the front desk T-Max® 3A must be off.

User the T-Max® 3A to set the Delay as described in the user's guide. Any delay time set on the T-Max® 005 will be ignored.

4.3 Session control

Starting a session.

1) Press the Up or Down Button on the T-Max® 3A until the desired session time is displayed. Time cannot be set from the T-Max® 005 in the room.

2) Press the Start/Stop button on the T-Max® 3A to start the session.

If a delay other than 0 is set, the delay will count down. A period on the lower right corner of the display will flash rapidly. When the session starts, the period will flash at once per second rate. If there is not delay entered, the session will start immediately.

Pausing during the session

To pause the session press Start/Stop button on the T-Max® 005 in the tanning room. The flashing period on the lower right corner of the display will stop flashing and stay illuminated. To restart the session, press the Start/Stop button on the T-Max® 005. The period will continue flashing. The session cannot be paused from the T-Max® 3A in this configuration.

Note: The session time will be continued to count down. The display will continue to update and reflect the remaining session time.

Canceling a session

To cancel a session, press both the Start/Stop and U buttons together on the T-Max® 3A. The session cannot be cancelled from the T-Max® 005 in the tanning room.

5 USING THE T-MAX® 005 WITH A T-MAX® MANAGER OR T-MAX® MANAGER/PRO

If you are using T-Max® 005 with a T-Max® Manager or T-Max® Manager/Pro, follow these instructions for proper operations:

1) Set the address on each T-Max® 005 as described in section 2.2.1.

Note: If you have completed the auto addressing as described in your T-Max® Manager user's guide, you do not need to address the T-Max® 005 as manually. Skip this step.

Note 2: Set each T-Max® 005 to a different address. No T-Max® 005 should be set to address 0.

2) Using T-Max® Modular cables connect the timers in a daisy-chain as shown in the T-Max® Manager User's guide.

Note: If you are using AP900s to connect the system wireless, do not run the modular cables. Connect the AP900s to the T-Max® Manager and to the T-Max® 005 as described in Section 6.3 and in the AP900 user's guide.

Note 2: Delay is controlled by the T-Max® Manager, T-Max® Manager/Pro or the software you are using if you are using a computer. It is not necessary to set the delay on the T-Max® 3A. Refer to the T-Max® Manager or T-Max® Manager/Pro User's guide for operation.

6 OTHER FEATURES

6.1 Clean room

Once the session time has elapsed, the display will show two solid periods only. This is an indication that the room needs to be cleaned. To clear the clean room indication, press and hold the Up button on the T-Max® 3A in the tanning room until the two periods disappear and a "0" appears. To disable the clean room feature, set parameter 9 to a 0. (Refer Section 2.2).

6.2 Lamp Hour

To check and change Lamp Hours (or any other parameter), refer to Section 2.2.

6.3 Connecting the AP900

The AP900 allows you to connect the T-Max® 005 to the T-Max® System with out the need to run cables throughout your salon. Connect an AP900 OEM to the RJ-11 modular connector on the T-Max® 005. Mount the AP900 as described in the AP900 user's guide.

6.4 Third party interface (TPI) mode

The Third Party Interface (TPI) mode is used for connecting the T-Max® 005 timer to a timing system other than the T-Max® Series.

Pins 3 and 4 on the RJ-22 modular port on the back of the T-Max® 005 are used 005 for TPI. Connect pins 3 and 4 on the top RJ-22 connector to the relay output of your third party interface controller (Refer to Section 7.3. Figure C).

When the session is started, the third party timer will provide a contact closure to the input on the T-Max® 005. When the session is started, the T-Max® 005 will show the maximum time stored into that T-Max® 005 and the tanning bed will turn on. Once the session ends the front desk controller will remove the contact closure from the TPI input on the T-Max® 005 and the bed will turn off.

Any delay that the front desk timer uses cannot be eclipsed by the T-Max® 005. The customer must wait the full delay time, in which case the bed will automatically come on.

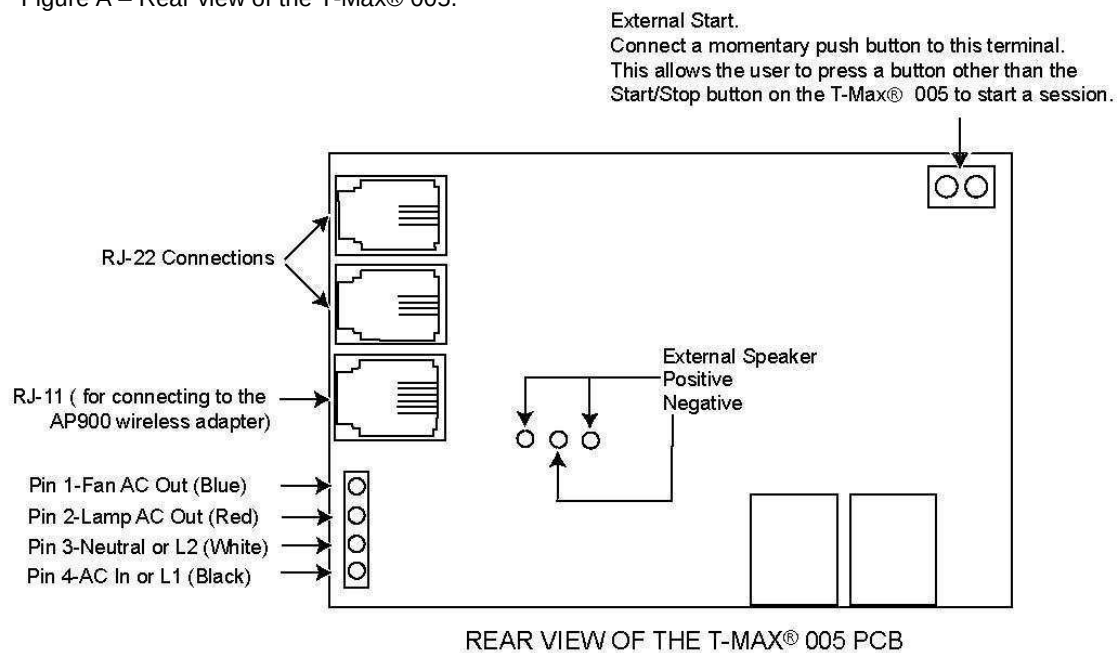
If the session time on the T-Max® 005 eclipse's, but there is still contact closure on the input, a single period will be displayed on the T-Max® 005. Once the contact is removed from the TPI input, the next session can be started.

6.6 External speaker

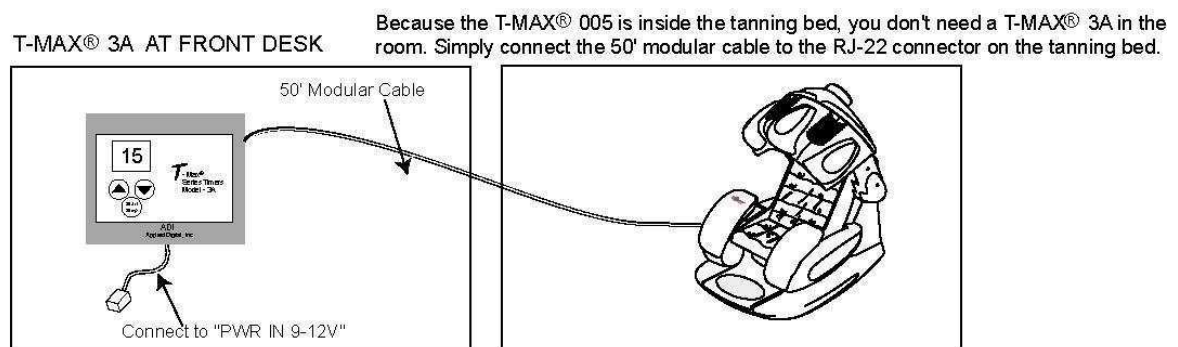
An external speaker can be connected to the T-Max® 005 for make the beep louder. A T-Max® Speaker must be used. Connect the speaker to the connected shown in Figure A, Section 7.1, Set parameter 15 on the T-Max® 005 to a 1 as described in Section 2.2.

7 FIGURES

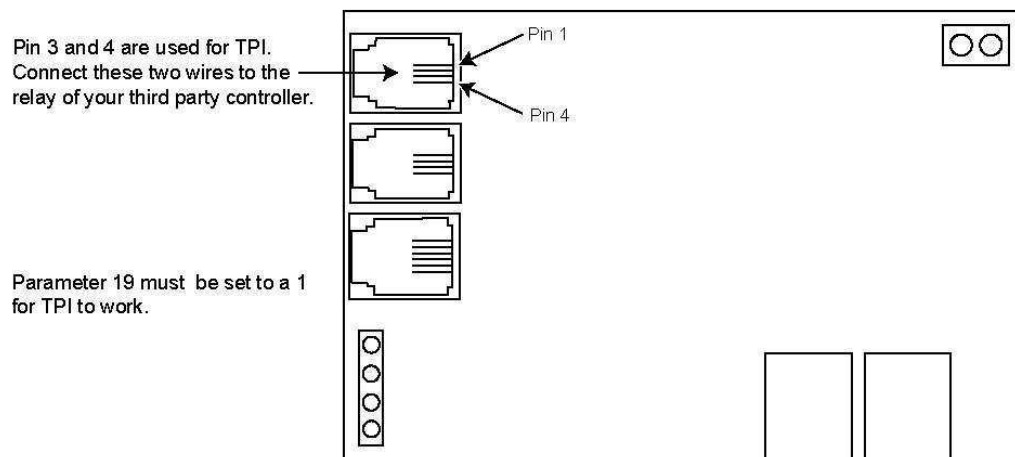
7.1 Figure A – Rear view of the T-Max® 005.



7.2 Figure B – Connecting the T-Max® 3A to a tanning bed with the 7.1 Figure A – Rear view of the T-Max® 005.



7.3 Figure C – TPI (Third Party Interface).



9 - TROUBLESHOOTING AND RAPID DIAGNOSTICS

9.1 TROUBLESHOOTING AND RAPID DIAGNOSTICS

- **The display panel lights up but the solarium does not switch on when START is pressed.**
 - 1 - Check the position of the lever on the overload cut-out switch.
 - 2 - Check that the power supply terminal board is connected to the power supply.
See "3STARS" n° 2/7 circuit diagram.
 - 3 - Check the voltage (220V ~) across terminals BLACK and WHITE on board "T-MAX".
See "3STARS" n° 5/7 circuit diagram.
- **Facial cooling system inoperative or without regulation.**
 - 1 - Check the voltage (variable up to a maximum of 220V AC) across terminals WHITE and BLUE of the timer board "T-MAX". See 3STARS n° 5/7 circuit diagram.
 - 2 - Check the fuse 2A on board "DMD-1".
 - 3 - Check the voltage on the wiring to the fans "VC1".
See 3STARS n° 4/7 circuit diagram.
- **One of the high-pressure does not switch on.**
 - 1 - Check for voltage on the wiring to the lamp. Check the ignition reactor or the ignites for the lamp.

WARNING: The central terminals of the igniters for the high-pressure lamps carry extremely high voltage.
- **The ceiling section cannot be raised or lowered.**
 - 1 - Check that the primary of transformer "T30" carries a voltage of 220V AC, and that the secondary carries 30V AC. See 3STARS n° 2/7 circuit diagram.
 - 2 - Check that the output of the diode bridge "PD" carries 30V DC. See 3STARS n° 2/7 circuit diagram.
 - 3 - Check that circuit board "RCT/1", motor "AT" function correctly.
See 3STARS n° 2/7 and 7/7 circuit diagrams.
- **The ceiling section cannot be raised or lowered in case of power failure.**
 - 1 - Check that the standby battery "B" is charged.
 - 2 - Check that circuit board "RCT/1" functions correctly.
 - 3 - Check fuses of the circuit boards "RCT/1".
See 3STARS n° 2/7 and 7/7 circuit diagrams.

10 - DEMOLITION AND WASTE MATERIALS

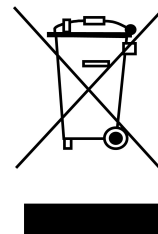
10.1 WASTE MATERIALS

Are considered as disposable waste materials non-toxic and non-harmful all the materials regarding the packing. Due to their characteristics must therefore be effected as required by the appropriate legislation.

DEFINITION OF SPECIAL WASTE MATERIAL:
Residual material deriving from industrial processes or agricultural, artisan, commercial or service activities which, in view of their quantity of characteristics, are not classified as normal household refuse.

DEMOLITION AND DISCHARGE OF THE UNIT

The unit must be considered as RAEE (electrical and electronic unit waste) and must be discharged as it is.



INFORMATION TO USERS

"Application of the Directives 2002/95/CE and 2003/108/CE, concerning the reduction of the use of dangerous substances in the electric and electronic appliances, as well as the disposal of the waste".

The symbol of the crossed skip drawn on the unit means that at the end of its life the product must be collected separately by other waste.

Therefore the user has to take the unit (at the end of its working life) to the reuse and recycling centres for electronic and electro-technic waste or return it to the seller/manufacture once he buys a new equivalent unit, in proportion to one to one.

The proper selective disposal for its further recycling, processing and the environment-friendly disposal can help to avoid possible negative effects on the environment and on health and it helps to recycle the materials of the units.

The abusive disposal of the product by the user implies the application of the administrative penalties adopted by the law in force.

Please get in touch with the manufacturer/distributor for further information.

11 - REPLACEMENTS AND CIRCUIT DIAGRAMS

11.1 SPARE PARTS LIST

REF	PC	CODE	DESCRIPTION
1	3	4028.4400.03	ZRM12 ES C IGNITOR
2	2	4028.4400.04	ZRM6 ES C IGNITOR
3	1	4027.3020.16	12V ACCUMULATOR
4	2	16973.000.0.0	600W BALLAST
5	3	16973.001.0.0	1500W BALLAST
6	1	4027.0010.04	ALI3 LINEAR ACTUATOR
7	2	4027.0010.03	LM15 LINEAR ACTUATOR
8	6	4028.4300.00	65µF CONDENSER
9	2	4028.4304.00	20µF CONDENSER
10	1	4028.6000.01	HOUR-COUNTER
11	1	4028.2101.03	AUXILIARY CONTACT IR22
12	1	4028.2100.04	FANTINI&COSMI HR 1710 CONTACTOR
13	2	16946.369.0.0	HANDREST CUSHION
14	1	16946.370.0.0	HEADREST CUSHION
15	1	4027.5010.00	DIODE BRIDGE
16	3	16976.061.0.0	COBALT FILTER 210X230
17	2	16976.062.0.0	COBALT FILTER 230X160
18	2	16976.013.0.0	STC FILTER 230x170 HAND-TANNER
19	18	16976.001.0.0	STC FILTER 360x45
20	1	4028.2184.00	MARQUARDT SWITCH
21	3	4028.4002.01	KALFASUN 1530F LAMP
22	2	4028.4002.00	KALFASUN 630F LAMP
23	1	4028.4013.05	23W LAMP
24	1	16960.008.0.0	TRACTION SPRING
25	2	14173.041.0.0	AM 630P REFLECTOR
26	3	14173.040.0.0	M 1530P REFLECTOR
27	1	18183.043.0.0	ARMCHAIR COMPLETE
28	1	14113.016.0.0	FOOTREST
29	1	4028.3126.09	FUSE 1A
30	1	4028.3126.11	FUSE 2A
31	2	4028.3125.04	FUSE 4A
32	1	4028.3125.06	FUSE 6,3A
33	1	4028.3125.05	FUSE 5A
34	1	4028.4500.01	FINDER 60.13 RELAY
35	1	14703.032.00	ELECTRONIC BOARD DMD-1
36	1	4026.0010.00	ELECTRONIC BOARD RCT/1
37	1	14173.043.0.0	CONTROL BOARD T-MAX
38	1	15906.026.0.0	ELECTRONIC BOARD JACK
39	1	15906.070.0.0	KEYBOARD
40	1	4028.1010.11	TRANSFORMER 220-230/12-0- 12/30V 60VA
41	1	4028.2116.04	TIMER
42	5	4026.1010.04	MICROSWITCH
43	1	4028.0024.00	FAN EBM W2E200 HH3801
44	4	4028.0052.01	FAN FANDIS A17M23
45	3	4028.0020.00	FAN EBM W2S130 AA0312
46	2	4028.0052.00	FAN FANDIS A12B23
47	1	4028.4550.01	UNDECAL RELAY SOCKET 90.27

11.2 CIRCUIT DIAGRAMS LEGEND

SYMBOLS	DESCRIPTION
	Earth terminal
A1÷A3 16973.001.0.0	Ballast for Kalfasun 1530 lamps
A4 A5 16973.000.0.0	Ballast for Kalfasun 630 lamps
AC1÷AC3 4028.4400.03	Igniter for Kalfasun 1530 lamps
AC3 4028.4400.04	Igniter for Kalfasun 630 lamps
AL12 4027.1003.04	12Vcc power supply module
AT 4027.0010.04	Actuator for ceiling.
B 4027.3020.16	Storage batteries (12V 1.2 Ah)
C1-2-4-5-6 4028.4300.00	Power factor correction capacitors 65 µF
C7-8 4028.4304.00	Power factor correction capacitors 20µF
CNC	Connector for control panel and handtanner (16 pin)
CNT	Connector for ceiling lamps (10 pin).
CNW1	Connector for radio and handtanner (5 pin)
CNW2	Connector for hour counter and lift motor (7 pin)
CO 4028.6000.00	Hour-counter
DMD-1 14703.032.00	Control board body fan
F1	1A fuse
F2	4A fuse
F3	2A fuse
F4	6,3A fuse
F5	5A fuse
HRA 4028.2100.04	Contact for high-pressure lamps HR1710
UP/DOWN 4028.2184.00	Switch to stop the rising of the canopy
L1-L2-L3	Power supply phases
L1÷L3 4028.4001.03	Lamps Kalfasun 1530V
L5 4028.4013.05	Lamp 23W
Lam 4028.4000.04	Lamps Kalfasun 630V
LSP-RSP 4027.3030.04	Loudspeakers (OPTIONAL)
CONNECTOR T-MAX 14173.043.0.0	Control board T-MAX
M1-2-3-4-5	Terminal board (3 pins)
M6	Terminal board (10 pins)
M7	Terminal board (7 pins)
MAL	Terminal board for power supply
M8	Terminal board (6 pins)

N	Neutral power wire
PD 4027.5010.00	Diode bridge
RA 4027.3525.04	Radio/CD (OPTIONAL)
RCT 4026.0010.00	Circuit board for battery-charger and automatic control of ascent 30 Vcc
RV 4028.4500.01	Control relay for cooling fan unit
SCHEDA JACK 15906.026.0.0	Circuit board Jack
SW 4026.1010.04	Microswitch
T 4028.2116.04	Timer
T30 4028.1010.11	Transformer 220V/230V 30/60VA
V 4028.0052.00	Cooling fan for handtanner
VC1-2-3-4 4028.0052.01	Facial cooling fan
VL1-2-3 4028.0020.00	Cooling fan for high-pressure lamps
VT 4028.0024.00	Air exhaust fan

DESCRIPTION CIRCUIT DIAGRAM

- 1/7 Voltage-change diagram.
 2/7 Practical diagram of control.
 3/7 Practical diagram of power.
 4/7 Practical diagram of head.
 5/7 Practical diagram of control panel and handtanner.
 6/7 Practical diagram of radio and handtanner.
 7/7 Practical diagram of actuator and hour-counter.

12 - MEDICATION

12.1 MEDICATION

Certain drugs can make your skin sensitive to ultraviolet light. The U.S. Department of Health and Human Services has published a booklet entitled Medications That Increase Sensitivity to Light; A 1990 Listing prepared by Jerome: Levine, M.S., R.Ph. The booklet is HHS Publication FDA 91-8280 and is available from the U.S. Government Printing Office: Refer to this booklet or your health practitioner if you are taking any medications.

Dr. Richard Childers and Dr. Edward Emmett of Jhon Hopkins University compiled a list of drugs, foods, and other substances that could make your skin sensitive to ultraviolet light: This list is presented below:

- Diuretics (which help prevent water retention), prescribed for high blood pressure (for example, Hydrodiuril).
- Diabetes drugs-Orinase and Diabinase.
- Urinary tract infection treatments with phenothiazines.
- Tranquilizers, such as Thorazine.
- The acne treatment Retin-A.
- Antihistamines-Phenergan and Benadryl-particularity when they are used on the skin in ointment form.
- Antibiotics-Declomycin, Aureozicin, and Griseofulvin, which is use in ringworm treatment.
- Coal tar treatment for psoriasis or chronic eczema.
- Bacterial infection treatments using sulfanilamide.
- Compounds known as furocoumarins or psoralens, which sensitise skin to sunlight whether put on the skin or taken orally. They are prescribed for vitiligo (loss of skin pigmentation) and psoriasis.
- Birth control pills. The hormones they contain can react with sunlight and in some cases cause brown patches on the skin.
- Perfumes and colognes containing furocoumarins, compounds from natural products such as plants and fruits. Their natural oils cad sensitise the skin to sunlight.
- Food and fruits that contain photosensitising agents: celery, carrots, limes, coriander, parsley, fennel, dill, buttercup, mustard and figs.

13 - WARRANTY

13.1 LIMITED WARRANTY

For **USA** see next page.

TERMS OF WARRANTY

Sportarredo USA, Inc. ("Sportarredo") warrants its tanning beds (the "Products") to be free from defects in materials and workmanship under intended normal use as described in the unit's Operation and Instruction Manual, for a period of two (2) years (the Warranty Period") from date of sale (proved by the invoice's date). This Limited Warranty does not cover the normal wear and tear of the Products.

This Limited Warranty applies only within the United States and Canada to the first end user (the "Buyer") of the Products and becomes void on the transfer or sale of the Products to any party other than the Buyer.

I. Registration Requirement

- a. This Limited Warranty becomes effective only if the Buyer fills out and returns the Warranty Certificate, dated and signed by the Buyer, to Sportarredo at the address shown below within thirty (30) days of the sale of the Products.
- b. By returning the Warranty Certificate to Sportarredo, the Buyer acknowledges to have fully read and understood the user's manual, and to have complied with all the instructions stated in that document.

II. Installation and Maintenance Requirements

- a. This Limited Warranty does not apply when the installation has not been performed by Sportarredo's trained and certified technician. For the sake of clarity, the technicians have to be certified by Sportarredo, after attending Sportarredo's training courses.
- b. This Limited Warranty does not apply if the Products are misused or abused, and there is evidence of mishandling, neglect, modification or repair without the approval of Sportarredo, or damage done to the Products by anyone other than Sportarredo.
- c. This Limited Warranty does not apply to damages caused during transportation (including transport to and from the Buyer's location); or damage due to improper or lack of maintenance; voltage overloads or "under voltage"; insufficient or abnormal operation of electrical or hydraulic systems; improper or incorrect treatment of water supply; or corrosion caused by condensation or hard water; improper descaling treatments; or in general to any cause which does not specifically depend on defect in material or workmanship.
- d. This Limited Warranty does not apply if the serial number on the product has been removed, altered or defaced.

III. Warranty Claim Procedure

In order to submit a Warranty Claim, the Buyer must provide Sportarredo with a written notice of any alleged defects within the Warranty Period, but in any case after no more than ten (10) days from the date of the discovery of the defects. At Sportarredo's option, the Buyer must ship the defective Product(s) to Sportarredo, at the address shown below, with mailing or shipping charged prepaid. Sportarredo shall be liable for and shall pay for the all freight, shipping and delivery costs of forwarding parts sent to Sportarredo for repair or replacement under the Limited Warranty. The Buyer shall be liable and pay for all labor and transportation charges in the event of a house call by an unauthorized technician. Adequate packaging must be used for returned goods to prevent freight damages.

IV. Warranty Services

- a. Defective parts will be replaced upon receipt by Sportarredo. Only original parts obtained through Sportarredo USA Inc., its authorized dealers or distributors may be used. Shipping terms, methods, etc. must be pre-approved by Sportarredo prior to the return of the parts in question. Parts, etc. shipped to Sportarredo without prior approval will be refused and the owner/shipper will be responsible for all related shipping costs etc.
- b. If the Products shall be proved to Sportarredo's satisfaction to be defective within the Warranty Period, Sportarredo's obligation under this Limited Warranty shall be limited to either repairing or replacing the Products, at Sportarredo's sole discretion, if such defect was caused solely by defective workmanship and materials. Such repair or replacement shall be Sportarredo's sole obligation and the Buyer's exclusive remedy hereunder and shall be conditioned upon the Buyer's fulfilling of its obligations under Warranty Claims Procedure. The obligations under this warranty are limited to repair or replacement of any defective part without charge for that part to the original purchaser, with the following exceptions:
 1. Tanning lamps, filters, starters and igniters are warranted against defects for a period of sixty (60) days from date of sale.
 2. Radios and speakers are warranted by the radio and speaker Sportarredo for the period of time indicated in their warranty certificates.
 3. Labor will be furnished without charge for sixty (60) days from the date of purchase only. All labor and related charges must be authorized by Sportarredo USA Inc. prior to start of repairs, and must conform with Sportarredo USA Inc. established rates and time allotment policy.
 4. All fans and batteries are warranted against defects for a period of two (2) years from date of sale.
 5. Timer system, plastics reflectors and parts subjected to "normal" wear & tear (meaning parts intended to be used by the final customer during each session, as buttons, switches, profiles, etc) are warranted for one (1) year.
 6. Acrylics are warranted for twelve (12) month prorated period (this warranty applies only if the "owner" of the units has used appropriate cleaners).
 7. Mattresses and pillows are warranted for a period of six (6) months from the date of sale.

V. Exclusion from Limited Warranty

The following are not covered by this Limited Warranty

Scratches, splinters, or marks to the Products, unless Sportarredo is notified as soon as the Products are received by the Buyer;

Normal wear and tear;

Defects not caused by the Products, but that are the result of improper installation;

Misuse or abuse by the Buyer;

Physical damage to the Product as a result of unreasonable use and/or negligence.

VI. Limitations on Warranty

This Limited Warranty is provided by Sportarredo, and it contains the only express warranty provided to the Buyer by Sportarredo. Sportarredo does not authorize any other person, including distributors, sub-distributors, agents, to give any other warranties on Sportarredo's behalf.

SPORTARREDO DISCLAIMS ANY EXPRESS WARRANTY NOT PROVIDED HEREIN AND ANY IMPLIED WARRANTY, GUARANTY OR REPRESENTATION AS TO PERFORMANCE, QUALITY AND ABSENCE OF HIDDEN DEFECTS, AND ANY REMEDY FOR BREACH OF CONTRACT, WHICH BUT FOR THIS PROVISION, MIGHT ARISE BY IMPLICATION, OPERATION OF LAW, CUSTOM OF TRADE OR COURSE OF DEALING, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SPORTARREDO FURTHER DISCLAIMS ANY RESPONSIBILITY FOR LOSSES, EXPENSES INCONVENIENCES, SPECIAL, INDIRECT, SECONDARY OR CONSEQUENTIAL, INCIDENTAL, AND CONTINGENT DAMAGES WHATSOEVER, INCLUDING DAMAGES ARISING FROM OWNERSHIP OR USE OF PRODUCT.

Implied warranties in jurisdictions where they may not be disclaimed shall be in effect only for the duration of the express warranty set forth herein.

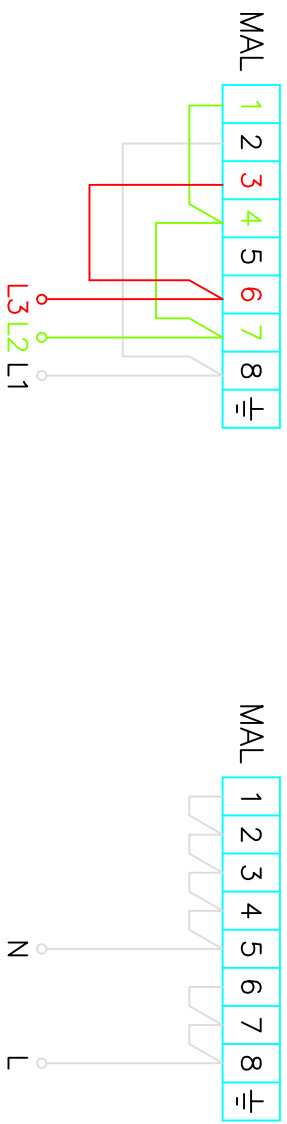
If the Buyer has a claim under this Limited Warranty or under any implied warranties provided to the Buyer by state law, the Buyer may not file a court action based on that claim any later than one (1) year after the Buyer's right to file a court action accrues. In those states that do not allow this limitation on the time period for filing a court action, this provision is inapplicable.

VII. Sportarredo's Liability

a. Sportarredo's liability with respect to the Product sold to the Buyer shall be limited to the Limited Warranty provided herein. Sportarredo SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW, WITH RESPECT TO THE PRODUCTS SOLD OR SERVICES RENDERED BY SPORTARREDO, OR ANY UNDERTAKING, ACTS OR OMISSIONS RELATING THERETO.

b. Without limiting the foregoing, Sportarredo specifically disclaims any liability for property or personal injury damages, penalties, special or punitive damages, damages for lost profits or revenues, services, down time, shut down or slow down costs, or for any other types of economic loss, and for claims of the Buyer's customers or any third party for any such damages. Sportarredo SHALL NOT BE LIABLE FOR AND DISCLAIMS ALL CONSEQUENTIAL, INCIDENTAL, AND CONTINGENT DAMAGES WHATSOEVER.

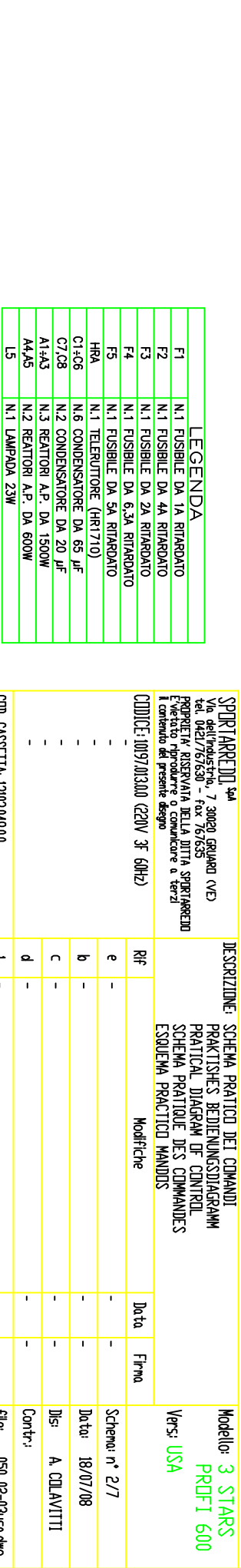
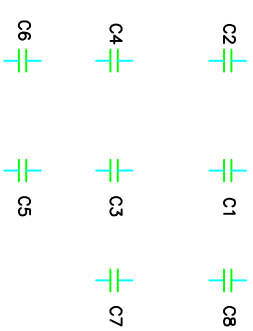
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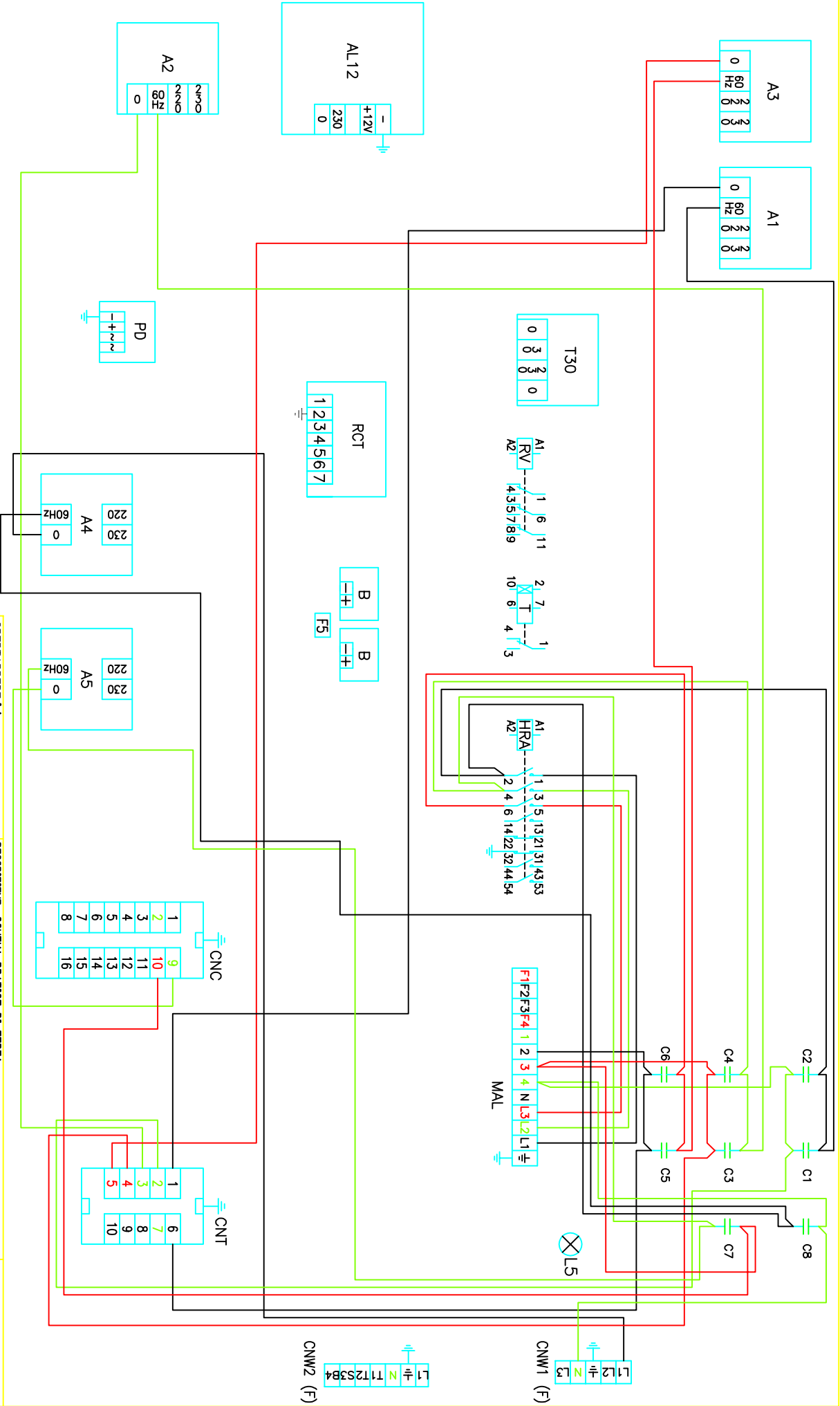
220V 3F

220V MONO

SPORTARREDI ^{srl} Via dell'Industria, 7 30020 SGUARDO (VE) tel. 0421/767630 - fax 767635 PROPRIETÀ RISERVATA DELLA DITTA SPORTARREDI È vietato riprodurre o comunicare a terzi il contenuto del presente disegno		DESCRIZIONE:		Modello: 3 STARS PROFI 600 Vers: USA	
		Schema cambio tensione Voltage-change diagram Schema change tension Esquema cambio tensión Diagramm für spannungsänderung			
CODICE: 10197.013.00 (220V 3F 60Hz)	Rif	Modifiche	Data	Firma	
-	a	-	-	-	
-	b	-	-	-	Schema: n° 1/7
-	c	-	-	-	Data: 18/07/08
-	d	-	-	-	Dls: A. COLAVITTI
-	e	-	-	-	Contr:?
COD. CASS./CABL.: -	f	-	-	-	file: 050_01usadwg



SPORTAREDD S.p.A Via dell'Industria, 7 30020 GRIARDO (VE) Tel. 0421/767630 - fax 767633 PROPRIETÀ RISERVATA DELLA DITTA SPORTAREDD È vietato riprodurre o comunicare a terzi il contenuto del presente disegno		DESCRIZIONE: SCHEMA PRATICO DEI COMANDI PRAKTISCHES BEDIENUNGSDIAGRAMM PRACTICAL DIAGRAM OF CONTROL SCHEMA PRATIQUE DES COMMANDES ESQUEMA PRACTICO DE MANDOS		Modello: 3 STARS PROFI 600	
CODICE: 1019701300 (220V 3F 60Hz)		Vers: USA			
MODIFICHE:		Rif	Modifiche	Data	Firma
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-	b	-	-	-	Data: 18/07/08
-	c	-	-	-	Dis: A. COLAVITTI
-	d	-	-	-	Contr:
-	1	-	-	-	File: 050_02-03using



LEGENDA	
F1	N.1 FUSIBILE DA 1A RITARDO
F2	N.1 FUSIBILE DA 4A RITARDO
F3	N.1 FUSIBILE DA 2A RITARDO
F4	N.1 FUSIBILE DA 6.3A RITARDO
F5	N.1 FUSIBILE DA 5A RITARDO
HRA	N.1 TELEFUTORE (HR1710)
C1+C6	N.6 CONDENSATORE DA 65 µF
C7/C8	N.2 CONDENSATORE DA 20 µF
A1+A3	N.3 REATTORI A.P. DA 1500W
A4+A5	N.2 REATTORI A.P. DA 600W
L5	N.1 LAMPADA 23W

SPURAREDDI s.p.a.
Via dell'Industria, 7 30020 GEMARO (VE)
tel. 0421/795630 - fax 0421/65635
RIPARAZIONE E MANUTENZIONE DI
TUTTI I TIPI DI MACCHINE ELETTRICHE
ELETTRICHE E ELETTRONICHE
ELETTRICHE E ELETTRONICHE
ELETTRICHE E ELETTRONICHE

DESCRIZIONE:
SCHEMA PRATICO DI FORZA
PRAKTISES LEISTUNGSDIAGRAMM
PRACTICAL DIAGRAM OF POWER
SCHEMA PRATIQUE DE PUISSANCE
ESQUEMA PRACTICO FUERZA

Modello: 3 STARS
PROFI 600

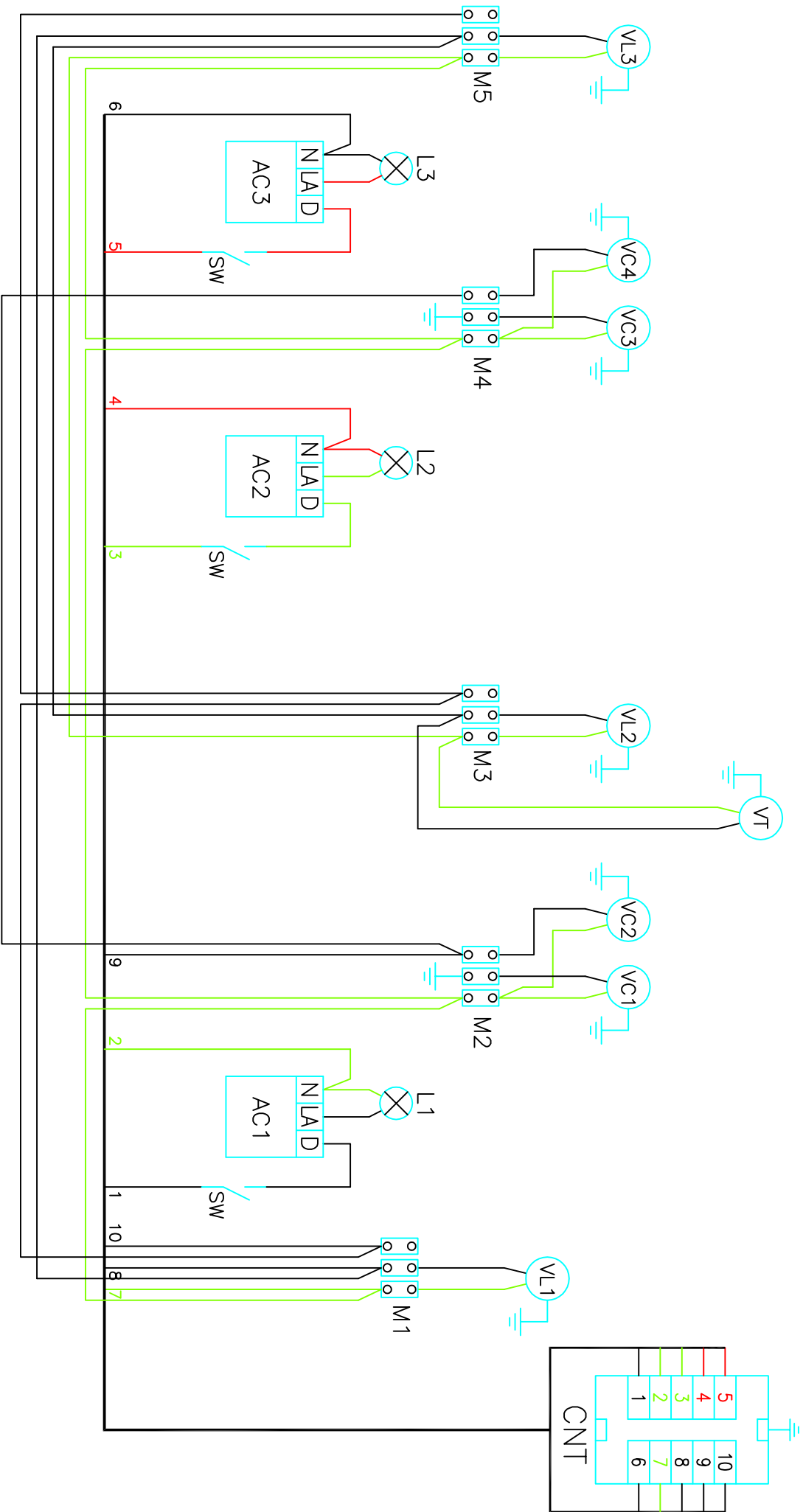
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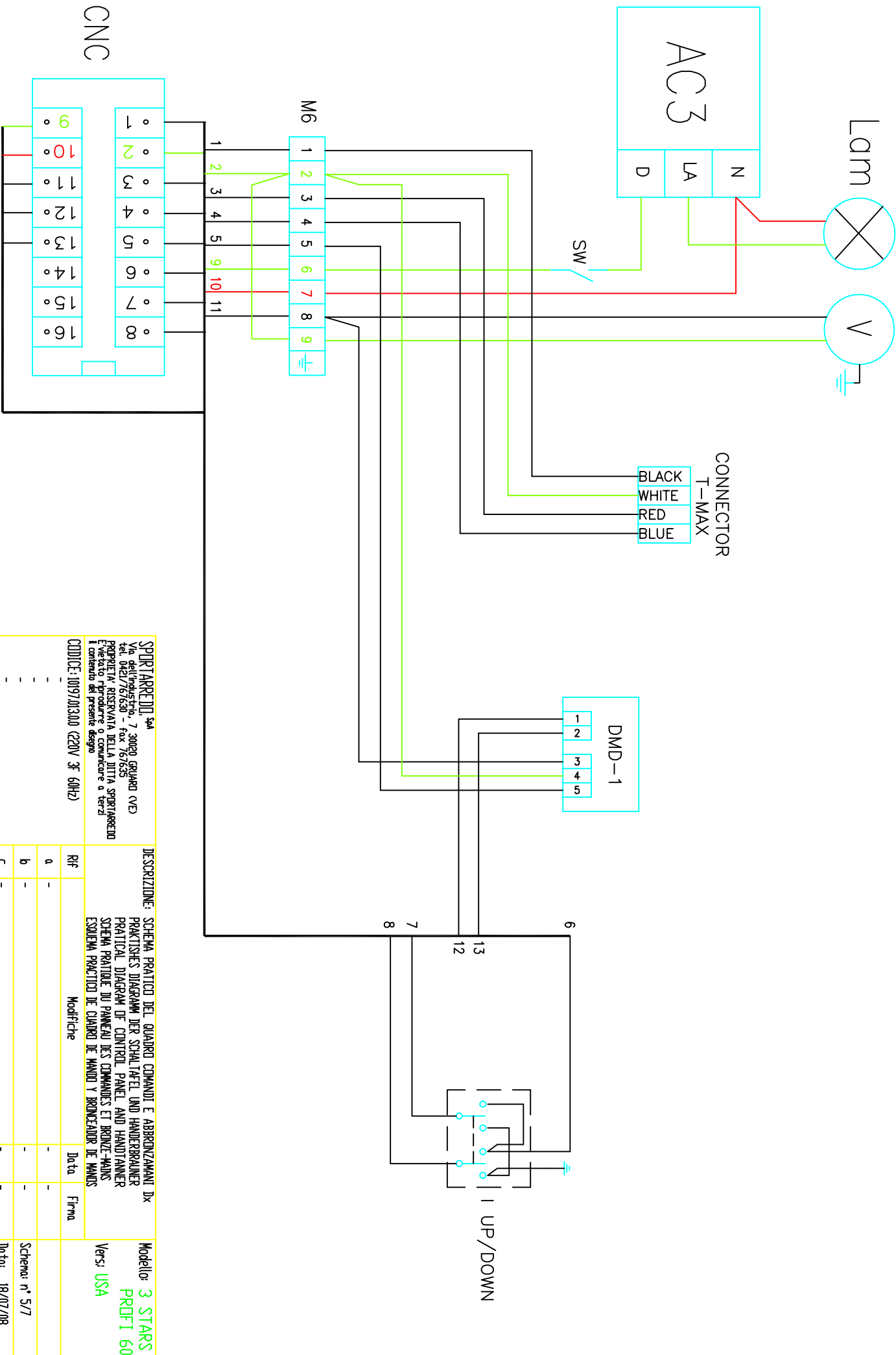
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Schema n° 3/7
Data: 18/07/08
Dise: A. COLAVITTI
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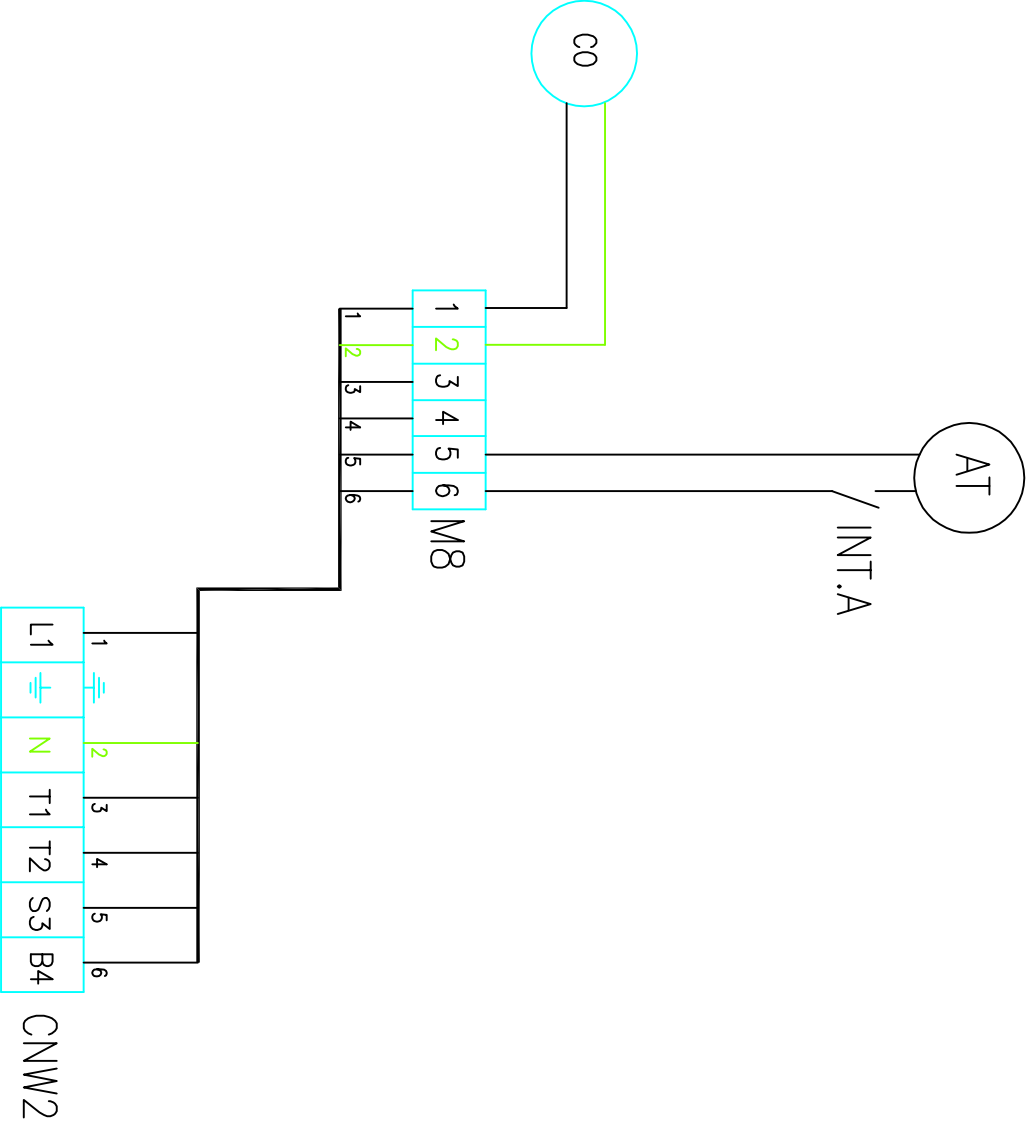


LEGENDA	
AC1+AC3	N.3 ACCENDITORI DA 1000W
L1+L3	N.3 LAMPADE 1500W ALTA PRESSIONE
SW	N.3 MICRO DI SICUREZZA

SPORTAREDDI s.p.a. Via dell'Industria, 7 30020 GRUGARO (VE) tel. 0421/767630 - fax 767635 PROPRIETÀ RISERVATA DELLA DITTA SPORTAREDDI È vietato riprodurre o comunicare a terzi il contenuto del presente disegno		DESCRIZIONE: Schema pratico della testa Practical diagram of head Schéma pratique de la tête Esquema práctico de la parte superior Praktisches diagramm der oberseite		Modello: 3 STARS PROFI 600 Vers: USA	
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-	b	-	-	-	Data: 18/07/08
-	c	-	-	-	Dis: A. COLAVITTI
-	d	-	-	-	Contr:
-	e	-	-	-	
-	f	-	-	-	File: 050_Muscarding



SPORTAREDDI, s.p.a. Via dell'Industria, 7 30020 GRIARDO (VE) tel. 0421/767630 - fax 767635 PROPRIETÀ RISERVATA DELLA DITTA SPORTAREDDI È vietato riprodurre o comunicare a terzi il contenuto del presente disegno		DESCRIZIONE: SCHEMA PRATICO DEL QUADRO COMANDI E ABBRIZZAMENTI DI PRAKTISES DIAGRAM DER SCHALTZEITEL UND HANDERBRÄUNER PRACTICAL DIAGRAM OF CONTROL PANEL AND HANDTANNER SCHEMA PRATIQUE DU PANNEAU DES COMMANDES ET BRONZE-MAINS ESQUEMA PRACTICO DE CUADRO DE MANDO Y BRONCEADOR DE MANOS			Modello: 3 STARS PROFI 600 Vers: USA	
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SPORTARRED. s.p.a. Via dell'Industria, 7 30020 GIARANO (VE) Tel. 0421/767630 - Fax 767635 PROPRIETÀ RISERVATA DELLA DITTA SPORTARREDO È vietato riprodurre o comunicare a terzi il contenuto del presente disegno		DESCRIZIONE:		SCHEMA PRATICO DEL MOTORE SOLLEVAMENTO E CONTABILE PRACTISCHES DIAGRAM DER AKTUATORRETOR UND STUNDENZÄHLER PRACTICAL DIAGRAM OF ACTUATOR AND HOUR-COUNTER SCHEMA PRATIQUE DU ACTIONNEUR ET COMPTE-HEURES ESQUEMA PRACTICO DE ACCIONADOR Y CUENTABARAS		Modello: 3 STARS PROFI 600 Vers: USA	
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-	d	-	-	-	Dis: A. COLAVITTI		
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